Installation Manual

Model 731, 747, & 749

25 & 55 Gallon Preservative Applicators

HARVEST TEC *Equipment and Products for Quality Hay.*™

P.O. Box 63 ◦ 2821 Harvey Street ◦ Hudson, WI 54016
800-635-7468 ◦ www.harvesttec.com

DECLARATION OF INCORPORATION

CE UKCA

MANUFACTURER: Harvest Tec Inc.
2821 Harvey St.
P.O. Box 63
Hudson, WI 54016, U.S.A.

REPRESENTATIVE ESTABLISHED IN COMMUNITY: Profitable Farming Company
Middle Barlington, Roborough
Winkleigh, Devon, EX19 8AG
ENGLAND

The person above certifies and declares that:

VIRTUAL MACHINE: Equipment mounted on a farm press and for the application of innoculants onto forage crops.
MODEL: 731,747,749-23-Imp&Metric
BRAND: Harvest Tec
SERIAL NUMBER:

This application preservatives for hay Harvest Tec system meets the Directive 2006/42/EC of the European Parliment and the Council of 17 May 2006 and other applicable European Directives including Directive 2004/108/EC on the Electromagnetic compatability.

The application of preservatives for hay Harvest Tec system will be turned on after being installed on a farm press has been declard in conformity with the Machinery Directive.

Person in the community authorized to provide information on the partly completed machinery and making this statement:

Richard Snell, President, Profitable Farming Company
Signed on May 21, 2011: Middle Barlington, Roborough
Winkleigh, Devon, EX19 8AG
ENGLAND

Harvest Tec 731-747-749 Installation Table of Contents

Introduction

Congratulations and thank you for purchasing a Harvest Tec preservative applicator. This applicator is designed to apply Harvest Tec buffered propionic acid. Use of alternative products may cause complications. Including inaccurate readings from the flow meter and damage to all parts. Resulting in the warranty being void. The applicator can be installed on many round balers with the proper installation kit. Before installing the unit on the baler, make sure you have the proper installation kit (See the chart below).

Model Reference

Baler Make	Baler Model	Model	Installation kit	Tank size
Case IH	All RBX & RB Series (4 & 5 foot wide)	747-25,55	74725-SO	25 Gallon
Case IH	RB 455, 465, 560, 565	747C	747C-SO	55 Gallon
Challenger	453, 463 & 563	749	4524X	55 Gallon
New Holland	All BR Series (4 & 5 foot wide)	747-25,55	74725-SO	25 Gallon
New Holland	All Rollbelt (4 & 5 foot wide)	747C	747C-SO	55 Gallon
New Holland	Probelt	747P	747P-SO	55 Gallon
John Deere	8, 9 & 0 Series Megawide Pickups	749	4517X	55 Gallon
John Deere	960, 990	749	4538X	55 Gallon
John Deere	0 Series with HC2 Pickup	749	4547X	55 Gallon
Kuhn	VB 2160 & 2190	737	737-SO	25 Gallon
Kuhn	VB3100 Series	738K	737-SO	25 Gallon
Kuhn	VB7100 Series	739K	737-SO	20 Gallon
Kuhn	VB560	736K	736K-SO	20 Gallon
Massey Ferguson	2846-2856A	749	4524X	55 Gallon
Massey Ferguson	4100 V Series	731	4523X	20 Gallon
Massey Ferguson	1 Series	749	4531X	55 Gallon
McHale	V660	749	4526X	55 Gallon
Vermeer	404, 504 & 604 Pro	731	4523X	20 Gallon
Vermeer	604M & 605M	749	4505X	55 Gallon
Vermeer	604R	749	4549X	55 Gallon
Vermeer	604 PRO Series 3	749	4543X	55 Gallon
Vermeer	ZR5	735Z	7714J-SO	55 Gallon

Tools Needed

Standard Wrench Set	Hose/Side Cutter	SAE Socket Set	Hammer
Standard Screwdriver or 5/16" nut driver	Crescent Wrench	Drill Bit Set	Center Punch

Installation of The Applicator

Model 731 - Install Kit 4523X

Installation of Mounting Brackets, Tank

On the front platform of the baler mark the holes as indicated in figure 1. Locate the platform bracket (001-4705C) and position on the top of the platform as shown in figure 2. Using the bracket as a template to mark the location, drill two 5/16" (8mm) holes in the front of the platform and the top of the platform using the dimensions shown. Using the carriage bolts and washers in parts bag 19 loosely secure the two back mounting holes as indicated by the arrow in figure 2.
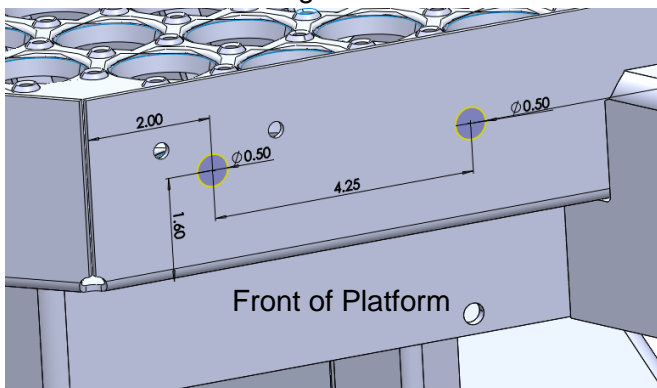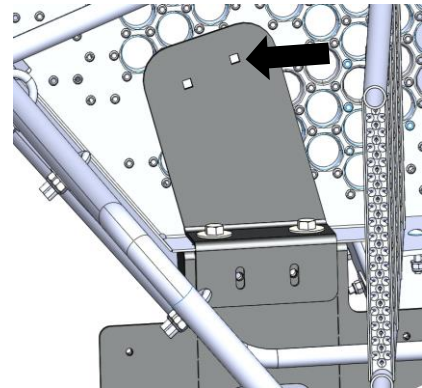
Figure 1

Front of Platform

Figure 2

Locate the tank mounting frame (001-4705B) and the support plate (001-4705D) and position as shown in figure 3. The arrow indicates the position of the support plate secure with 1/2" bolts. *Note: The tank mounting frame bracket will be secured to the tank bracket (001-4705A) and the tank (005-4705T) for shipping. Tank may need to be removed to install bolts to mount pump assembly.

Use 3/8" bolts to secure the mounting frame to the platform bracket on the top, as well as bottom of the frame. Be sure the bolt goes through the front of the platform and the platform bracket shown in figure 4.
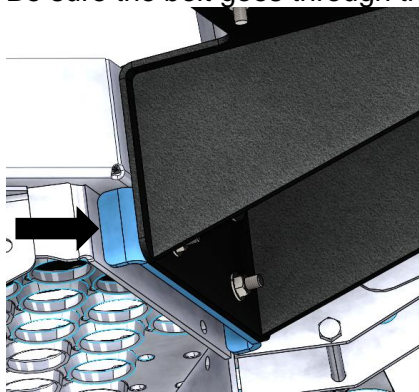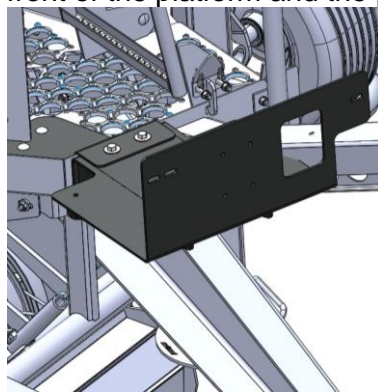

Figure 3

Figure 4

Figure 5

Secure the tank frame bracket (001-4705A) to the platform safety rail with the supplied U-Bolt (001-4714UBS) indicated by the arrow in figure 5.
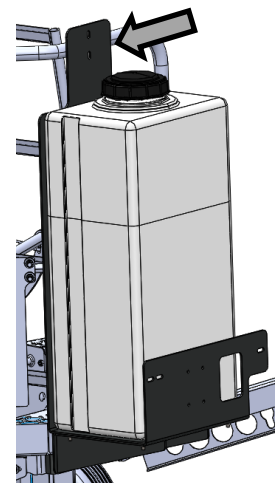
Reach Rods- For added tank stability, attach and secure telescoping reach rods. Reach rod placement is at the discretion of the installer to determine the most suitable baler attachment points. Bolt one end of each reach rod to the upper tank support bracket and the other ends to secure locations on the baler. Reach rods tabs may have to be bent to align properly. Once final rod lengths are determined, remove the set screw bolts and mark inner reach rods through the set screw bolt hole. Unbolt and remove inner reach rods - using a 3/8" bit drill approximately 1/4" deep into the inner reach rods at your mark to create a stop for the set screw bolt to embed into. Reassemble the telescoping reach rods and tighten set screw bolt. Secure all reach rod hardware with nuts, washers and lock washers included with hardware.

Model 749 - Installation of 55 gal tank and saddle

Locate parts bag 7. Place tank (005-9203) onto saddle (001-4703). Make sure side tank fitting is placed to the baler's left side when looking at it from the front. Attach straps (001-4402) to saddle using 5/16" x 4" bolts. Make sure to double nut all four bolts.

Installation of Mounting Brackets

Install kit 4517X & 4547X

Attach L-shaped brackets part 001-4703DL and 001-4703DR will attach to the baler with M12 x 45 mm bolts (Figure 1). Attach legs part 001-4703B to the tank saddle with 3/8" x 1" bolts, lock and flat washers. Three bolts will be used per side on 8 Series balers and two bolts per side with the 9 Series balers. When both sides have been attached place the legs on top of the bracket (Figure 2). The legs will attach to the brackets with 1/2" x 1-1/2" bolts, nuts, flat, and lock washers. Install both sides of legs before tightening down any of the bolts.

Figure 2

Figure 1

001-4703B

←001-4703B→

001-4703DL →   ← 001-4703DR
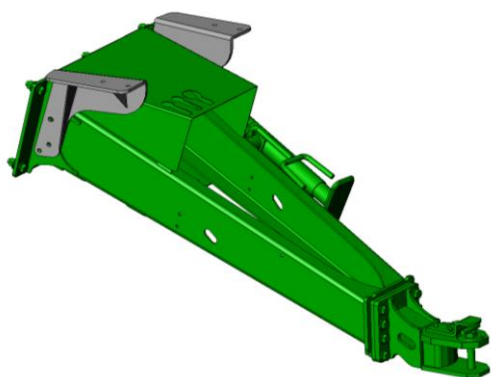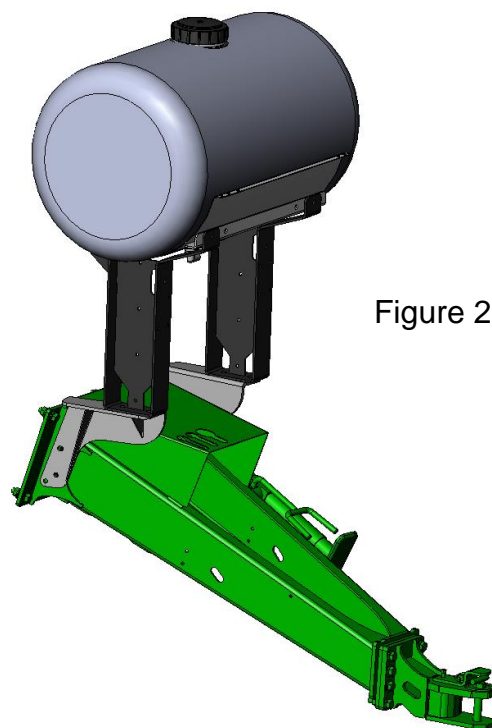
Install kit 4505X

Locate legs part 001-4703FL and part 001-4703FR. These legs will attach to the tongue of the baler using the one existing hole per side as shown by arrow A. If the holes are not pre-dilled, hole A will need to be located 8" (20cm) down from the top of the hitch rail and 4.75" (12cm) from the end of the hitch rail. Loosely attach the legs to point A and mark the two holes that will need to be drilled as shown by arrow B with a 9/16" (14mm) bit. Attach legs loosely using the two existing bolts and lock nuts and four 1/2" x 1-1/4" bolt, nuts, locks and flat washers. Install tank and saddle assembly. Tighten all leg hardware after the tank has been installed.

A

B
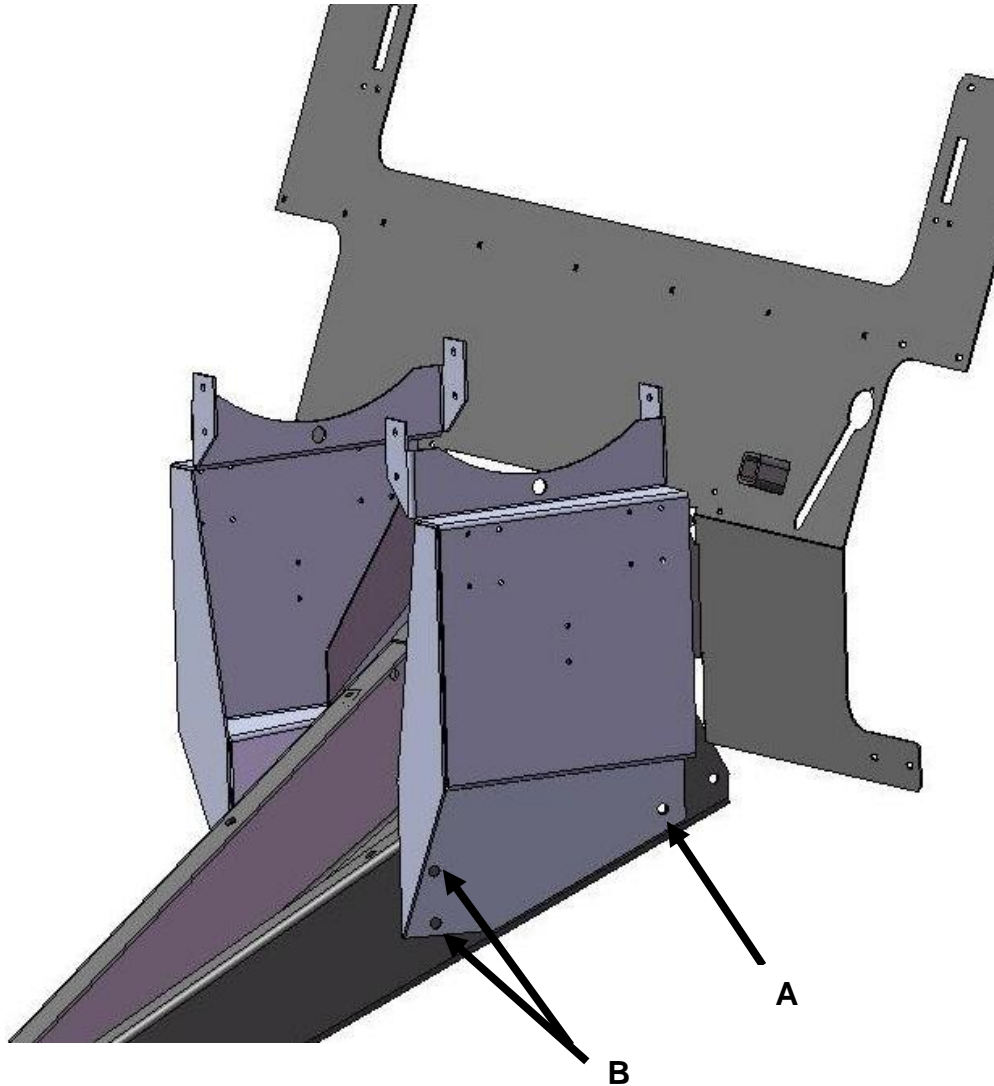
Install Kit 4523X

Mount the saddle and legs on the baler as shown in the picture below. Push the tank as far forward as possible and mark the four 1/2" (13mm) holes that will need to be drilled. Locate the two support legs (001-4704JR & 001-4704JL) shown below (A). Align the support legs below the tank legs and attach through the baler platform using four 1/2" x 1-1/2" bolts, locks, flats and nuts. Mark and drill four 9/16" (14mm) holes where the support legs (A) meet the baler hitch. Attach the legs to the baler frame using four 1/2" x 1-1/2" bolts, locks, flats and nuts. Tighten all hardware.
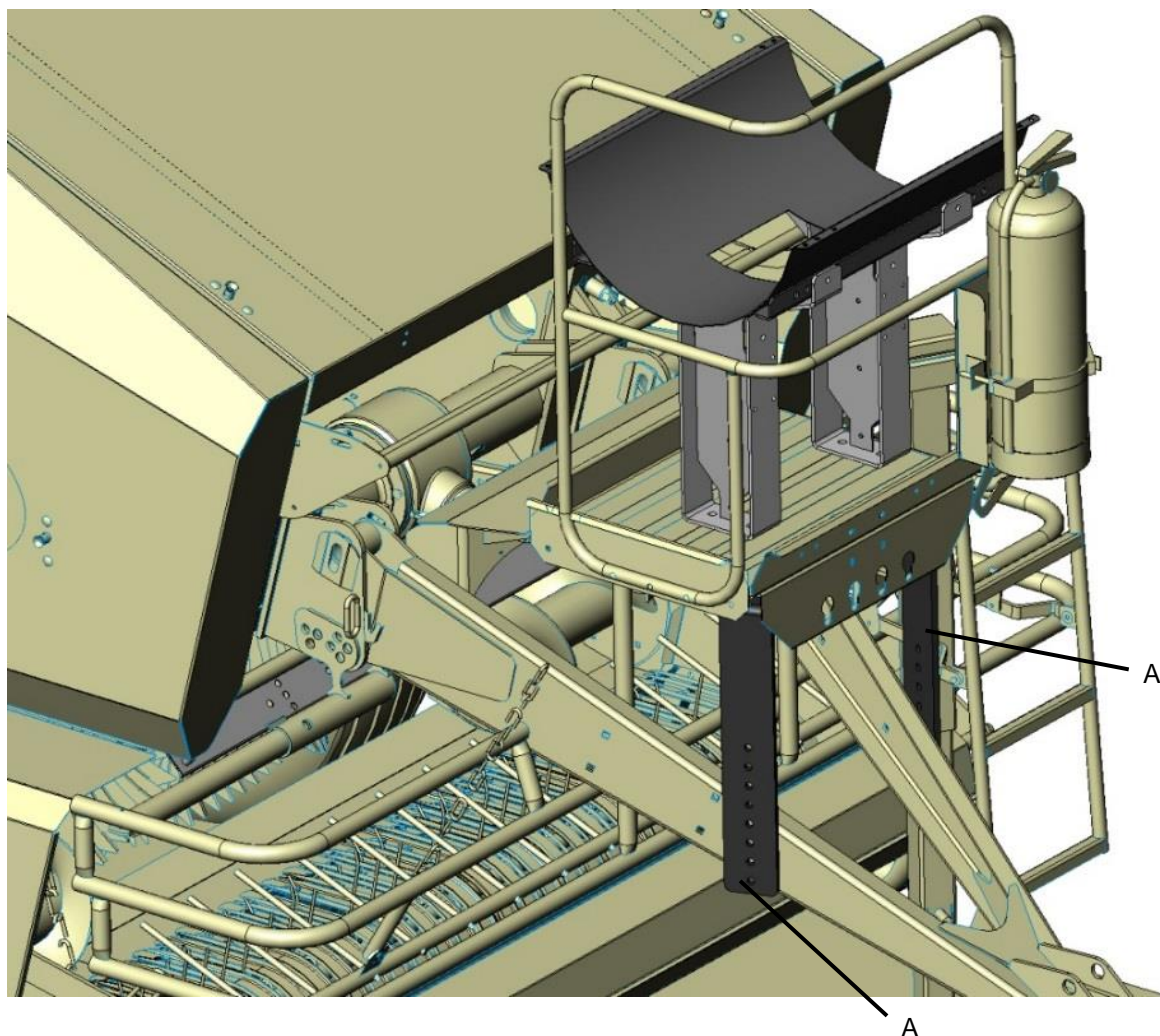
Install Kit 4524X

Locate legs part 001-4703K and part 001-4703L. Use the diagram below to locate the placement of the holes you will need to drill. You will need to drill three 1/2" (13mm) holes per side of tongue. After drilling the holes you will need to loosely attach the legs to the tongue with 1/2" X 2" bolts with locks, nuts, and flat washers (Figure 1). Attach the saddle (001-4703) and tank assembly on top of the legs using 3/8" x 1" bolts and lock washers (Figure 2). Do not tighten down 3/8" bolts all the way. Once saddle is attached to legs tighten down bolts and nuts attaching the legs to the tongue. Now tighten bolts attaching saddle to legs.

Figure 2

Figure 1

raise the tongue of the baler until the sheet metal surface on the front of the baler is vertical

locate the point where the bottom of the tongue meets the sheet metal surface and draw a horizontal line using a level on the side of the tongue as shown

Measure over 31" and make a mark along the line. Measure over 3 - 1/2" for the first mark and make a sencond mark on the line. using the level, make a vertical line at each mark. Measure down 3/8" and 3 - 7/8" and mark the the locations for the 9/16" holes to be drilled.

Repeat process for location holes on opposite side of tongue. Drill holes through tongue being careful not to contact hydraulic lines or wiring when drilling.

Ø.563x3
.375
.375
31.0
3.500
3.875
3.500

Install Kit 4526X

Locate the mounting bracket (001-4704MA). Mount the bracket on the baler hitch and move towards the baler until the mounting bracket contacts both sides of the baler hitch. Mark and drill four 1/2" (13mm) holes and attach the mounting bracket using four 1/2" x 1-1/2" bolts, locks, flats, and nuts. Tighten hardware.

Mount the legs and saddle to the top of the mounting bracket (001-4704MA). Use four 1/2" x 1-1/2" bolts, locks, flats, and nuts. Tighten hardware.

001-4704MA
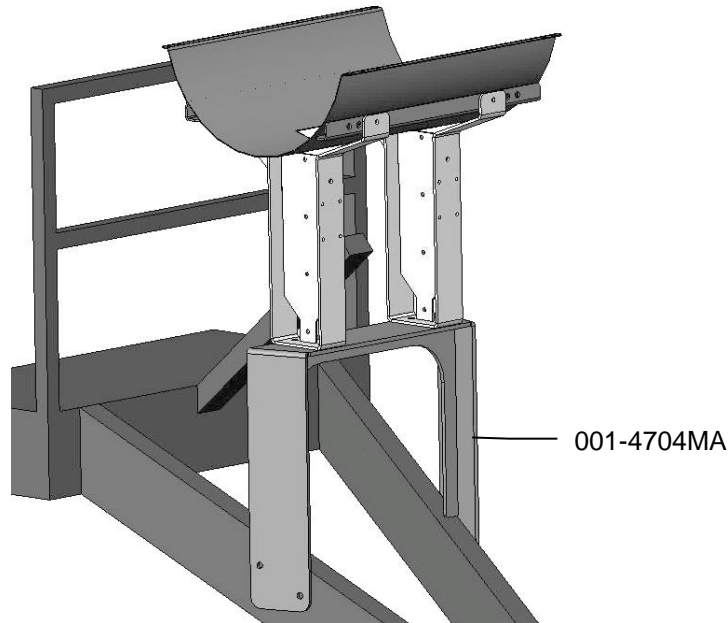
Tank Mounting – 4531X Kit

Attach tank legs 001-4703B to brackets 001-ACX2873280 (side bracket) and 0011-ACX2873560 (side bracket) with 1/2" x 2" bolts and hardware. Saddle leg brackets attach to baler hitch with 3/8" x 1 1/2" bolts and harware utilizing the predrilled holes as shown below. Place and attach the tank saddle to the top of the saddle legs with 3/8" x 1 1/4" bolts and hardware. Tighten and secure all bolts prior to installing the tank to the tank saddle. Using 5/16" x 3" bolts and hardware, secure tank to tank saddle with tank straps
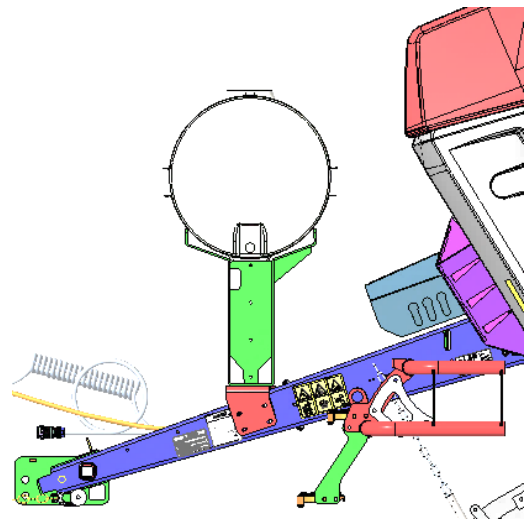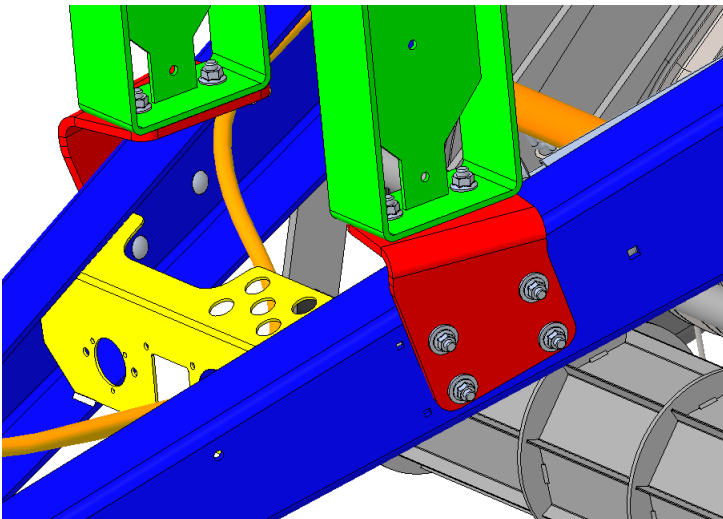
Tank Mounting – 4538X Kit

*Illustrated Installation on next page

The tank mounting uses 1 existing bolt on each side of the tongue. Locate the net wrap cap bracket on the inside of the right side of the tongue. Remove the bracket. Drill out the front hole to 9/16" (14mm) diameter (A). Reinstall net wrap cap bracket with one existing bolt/nut in the back mounting hole. Place the rear, bottom hole on tank support, 001-4704MA, on the newly drilled hole. Use supplied hardware, 1/2" x 1-1/4" hex bolt, washer, lock washer, and nut to secure tank support. Ensure the bracket is vertical, then mark and drill the front, bottom hole for the tank support (B). Secure with same hardware. Use tank support brace, 001-4704MDJ, to secure the tank support to a 3rd point further forward on tongue (C). Mark and drill 9/16" (14mm) diameter hole. Secure top and bottom of brace with 1/2" x 1-1/4" hex bolt, washer, lock washer, and nut.
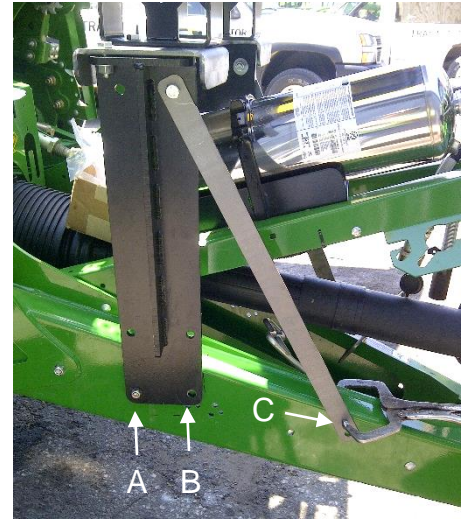
Locate existing hole on left side of tongue, opposite of the existing hole used on the right side of the tongue. Drill hole out to 9/16" (14mm) diameter as done on previous side. Place the rear, bottom hole of tank support, 001-4704MA, over newly drilled hole and secure with 1/2" x 1-1/4" hex bolt, washer, lock washer, and nut. Ensure the bracket is vertical, then mark and drill front hole of support, secure with 1/2" x 1-1/4" hex bolt, washer, lock washer, and nut. Use tank support brace, 001-4704MDJ, to secure the tank support to a 3rd point further forward on tongue (C). Mark and drill 9/16" (14mm) diameter hole. Secure top and bottom of brace with 1/2" x 1-1/4" hex bolt, washer, lock washer, and nut.

With the two tank supports, 001-4704MA, mounted to each side of tongue, install the cross member support, 001-4704MEJ, on the top of both 001-4704MA supports. The outer most holes on the cross member should line up with the tank supports. Use 1/2" x 1-1/4" hex bolt, washer, lock washer, and nut to secure bracket. Install both tank legs, 001-4703B, to the remaining four holes on the cross member using 1/2" x 1-1/4" hex bolt, washer, lock washer, and nut. Only snug bolts at this time.

Place tank and saddle assembly on top of the leg supports. The two inner most holes on the saddle should line up with the leg supports. Start the hardware that connects the legs to the saddle, 3/8" x 1" hex bolt, lock washer, and flat washer. Once all four bolts are started, tighten the bolts that secure the leg supports, 001-4703B, to the cross member, 001-4704MEJ. With the legs tightened to cross member, then you can tighten the legs to the saddle.

Tank Mounting (continued)

Illustrated Installation – 4538X Kit
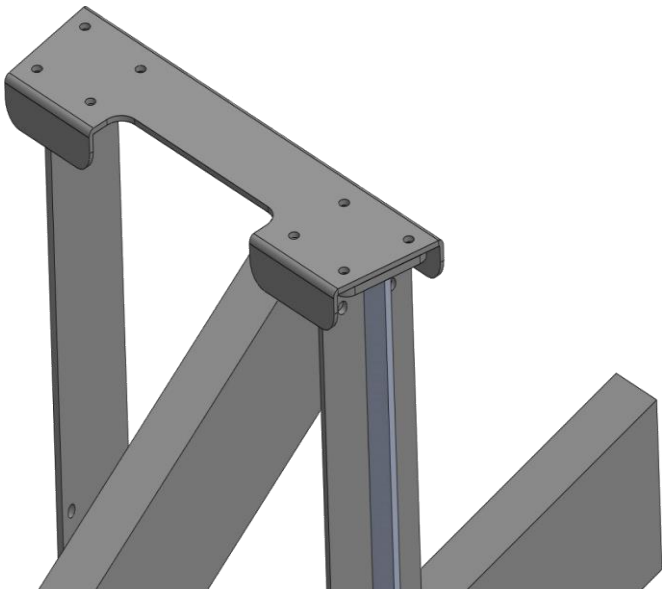
Step 1
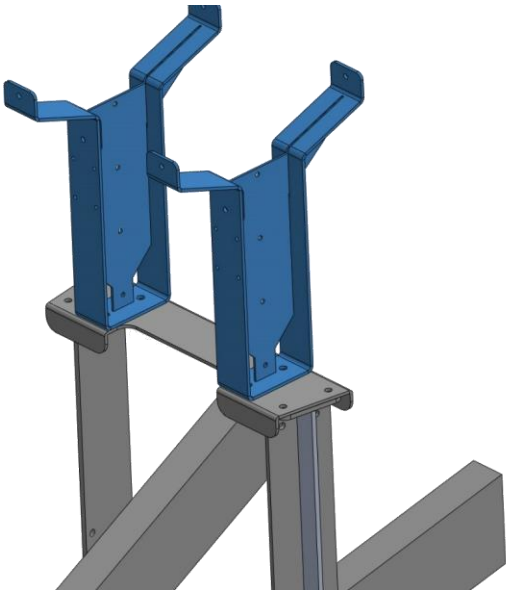
Step 2
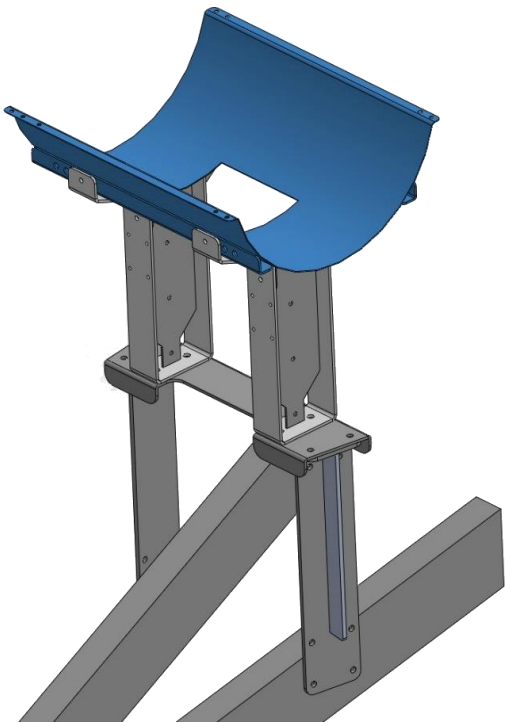
Step 3
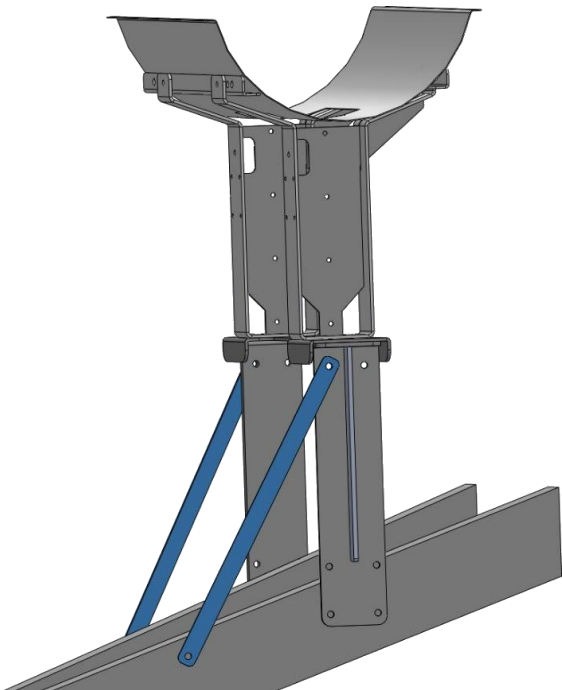
Step 4

Installation Kit 4543X

Locate parts bag 16 and the two tank leg support brackets (001-6055VER & 001-6055VEL) shown right.

Using the bolts already in place on the baler tongue where it meets the baler remove the bolts and install the 001-6055VER & 001-6055VEL brackets and securing with the original bolts and nuts (below)
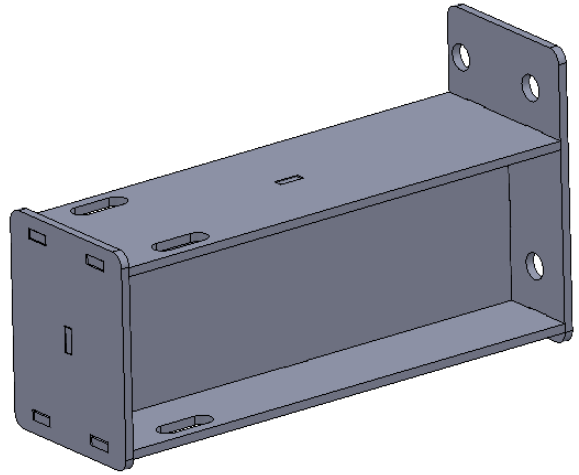
Place the tank saddle legs (001-4703B) on top on top of the mounting brackets and secure with nuts, washers and bolts in parts bag 16 as shown below.
Place tank and saddle assembly on top of the leg supports. Start the hardware that connects the legs to the saddle, 3/8" x 1" hex bolt, lock washer, and flat washer. Once all four bolts are started, tighten the bolts that secure the tank supports.
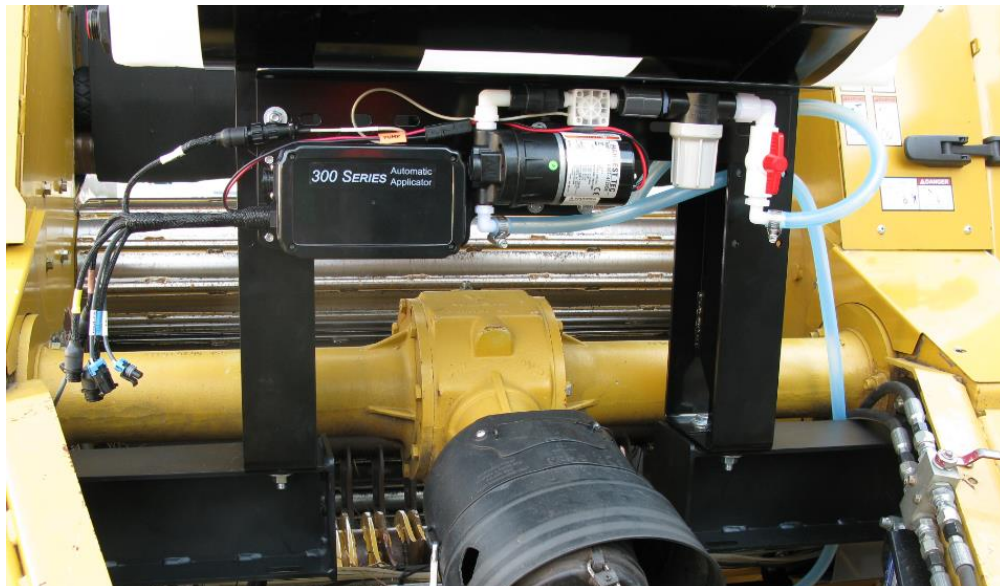
Install Kit 4549X

Prior to installing the tank legs, modification to the PTO gearbox shield and twine box door is required. Place hinges (001-4703VHG) approximately 2" from the outer edge of the PTO gearbox shield, mark, drill and attach each hinge connecting the PTO shield to the twine box door with four 5/16"x1" flange bolts and nuts. After hinges are secured, remove factory bolts attaching PTO shield to twine box door. This will result in a hinged access to the PTO gearbox which allows the twine box door to open after the preservative tank is mounted.

Add hinges and secure before lifting and removing factory bolts that connect the panels

The Z-shaped brackets (001-4703F) will attach to the baler tongue with three 1/2" x 1 1/2" bolts per side. The baler tongue must be supported either at the field-ready position or hooked to the tractor. The first hole should be marked and placed 19.75" from the front side of the gusset plate and 3.75" down perpendicular from the top of tongue (see Figure A). Mark and drill center hole on each side of the tongue. Attach Z bracket by using one 1/2" x 1 1/2" bolt, washer, lock washer and nut on each side. Place a level across the top of each bracket and pivot until horizontal. Tighten brackets to tongue. Mark and drill the remaining two holes on each side. Secure with additional 1/2" x 1 1/2" bolts, washers, lock washers and nuts.

Gusset Plate Edge

Top of baler tongue

Drill for middle hole on Z bracket mount

19.75

3.75
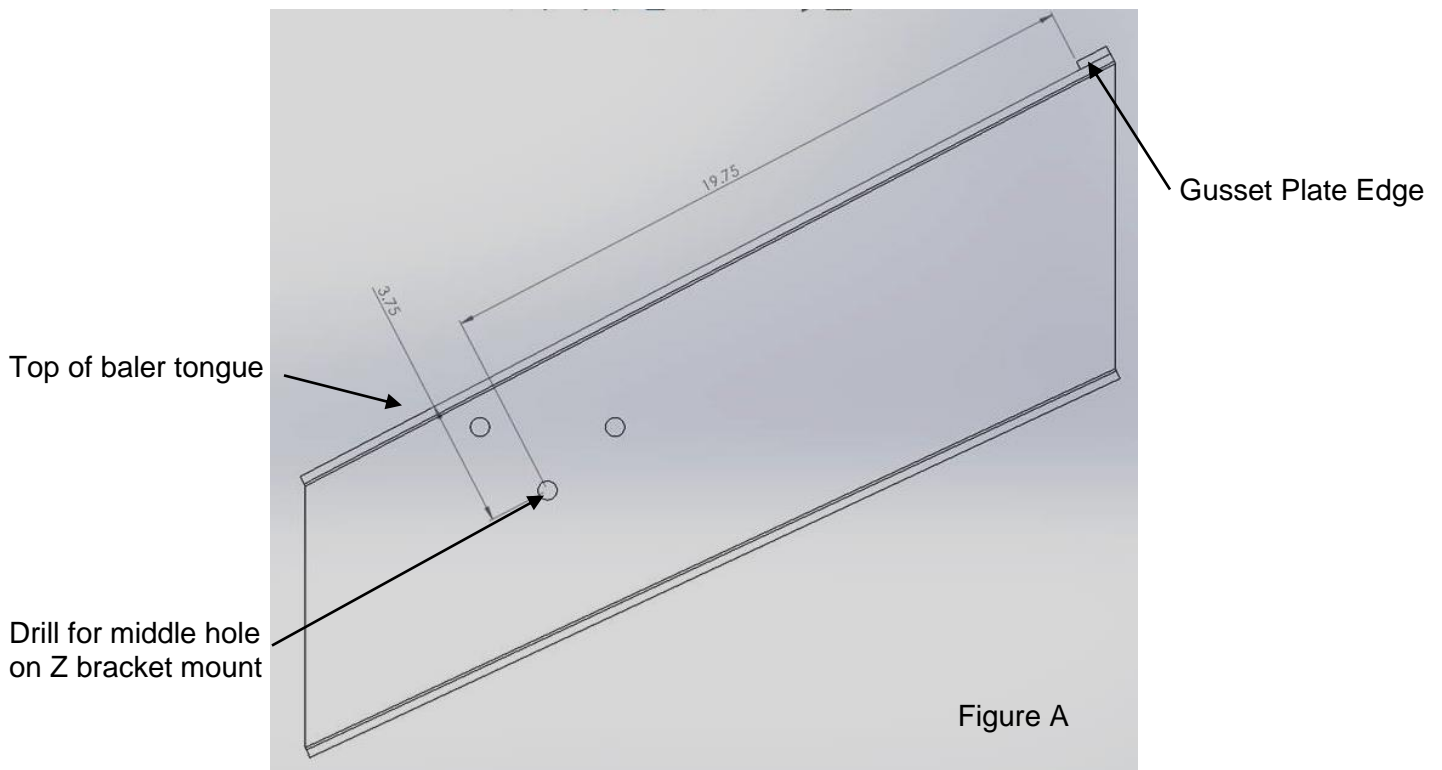
Figure A

Install Kit 4549X (continued)

Attach tank legs (001-4703B) to the tank saddle with 3/8" x 1" bolts, lock and flat washers. Install both sides of legs before tightening down any of the bolts. Place the tank saddle legs (001-4703B) on top on top of the Z shaped mounting brackets and secure with nuts, washers and bolts from parts bag 16.   Tighten all bolts on tank mount assembly and brackets. Install tank and secure with tank straps.

Crimp one side of the S hooks securing it to the rubber latch strap (001-4703CL). Attach one open end of latch strap to an unused hole on the tank saddle and crimp closed. Use remaining open S hook end on latch strap for temporarily assisting in accessing the twine box.

Crimp S hook from latch strap to unused hole on tank saddle to allow for easier access to twine box door
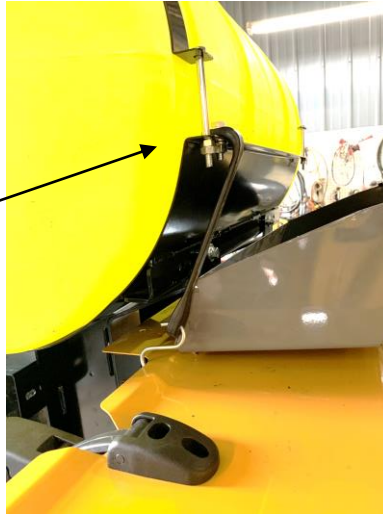
Model 747

Installation of the Cross Support for 55 gallon model only

Locate parts bag 14. Locate the cross support (001-4445B) on the front shelf of the balers pictured below. It will butt up against step-up on the shelf and line up flush with its upper surface. Mark and drill a 9/16" (14mm) hole on each side sheet to hold cross piece in place with two 1/2" by 1-1/4" bolts, fender, and lock washers.
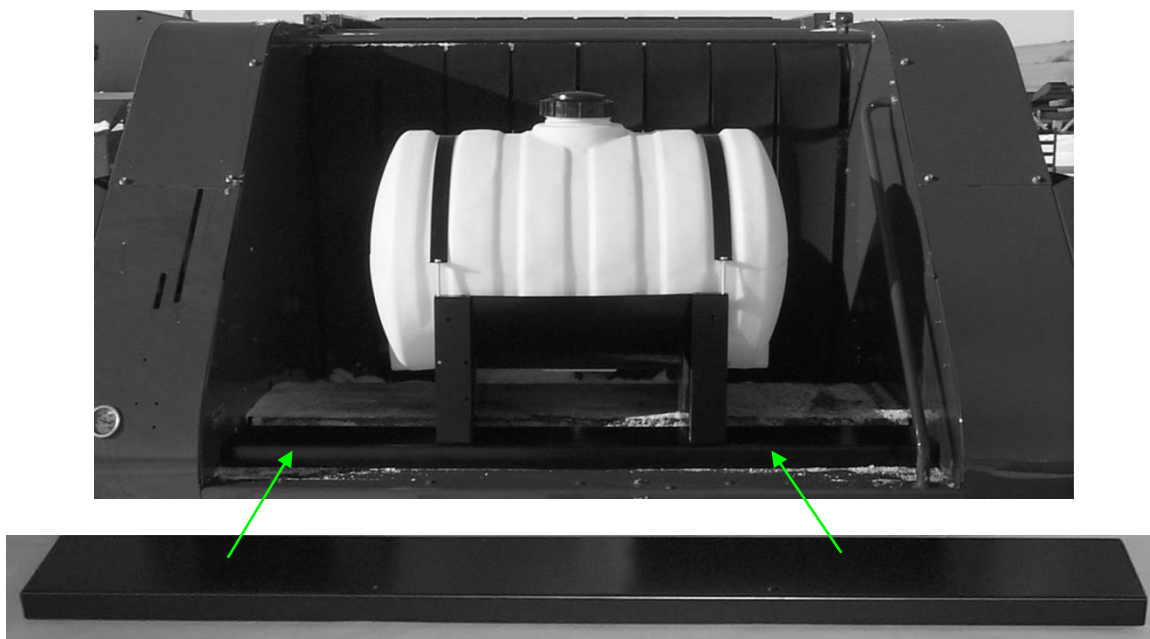
Mounting the Tank and Saddle on Baler

Locate parts bag 11. Locate the tank and frame on the shelf. Center it from side to side. On 55-gallon (210L) models, the tank positioning going from front to back is set by lining up the front base holes with the holes in the cross support. On 25-gallon (100L) models, line up the front tank legs with the front of the baler's shelf. Mark and drill all base holes with a 9/16" (14mm) drill. Use the 1/2" by 1-1/4" bolts, lock washers, fender washers, and nuts provided to secure the frame.
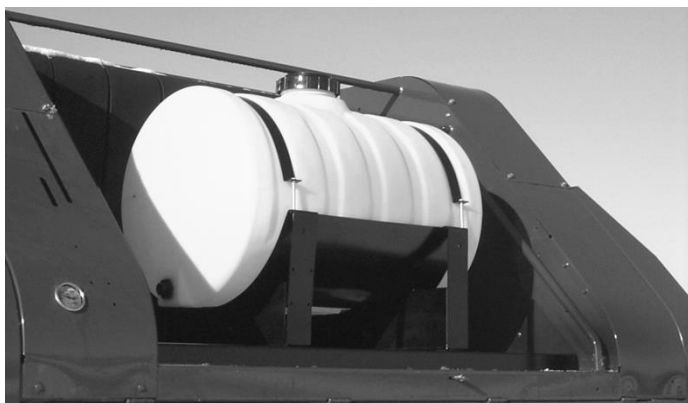
55 Gallon System

25 Gallon System

Installation of Pump Manifold

Model 731

Locate the pump assembly (PMP-3636MT) figure 1. Attach the assembly to the tank frame (001-4705B) using the predrilled holes as shown in figure 2.

Figure 1

Figure 2

Model 747

Locate parts bag 8, pump assembly (PMP-7636P) and pump mount (PMP-3636MT). Assemble as shown in figure 7. Using two 3/8" x 1-1/4" bolts, locks, and flat washers to the saddle, mount the pump assembly to the tank saddle (001-4445A) as shown in figure 8.

Figure 7
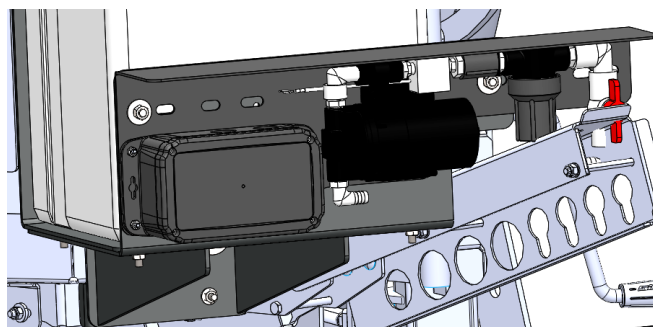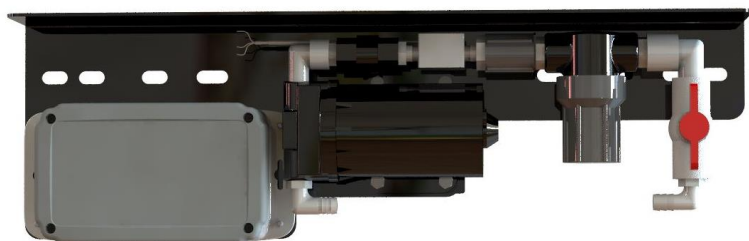

Figure 8

Model 749

Locate parts bag 8, pump assembly (PMP-7636P) and pump mount (PMP-3636MT). Assemble as shown in figure 8. Using two 3/8" x 1-1/4" bolts, locks, and flat washers to the saddle, mount the pump assembly to the tank legs (001-4703B) as shown in figure 9.
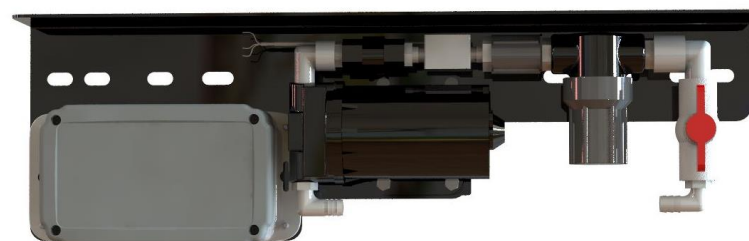
Figure 8

Figure 9

Tractor Setup
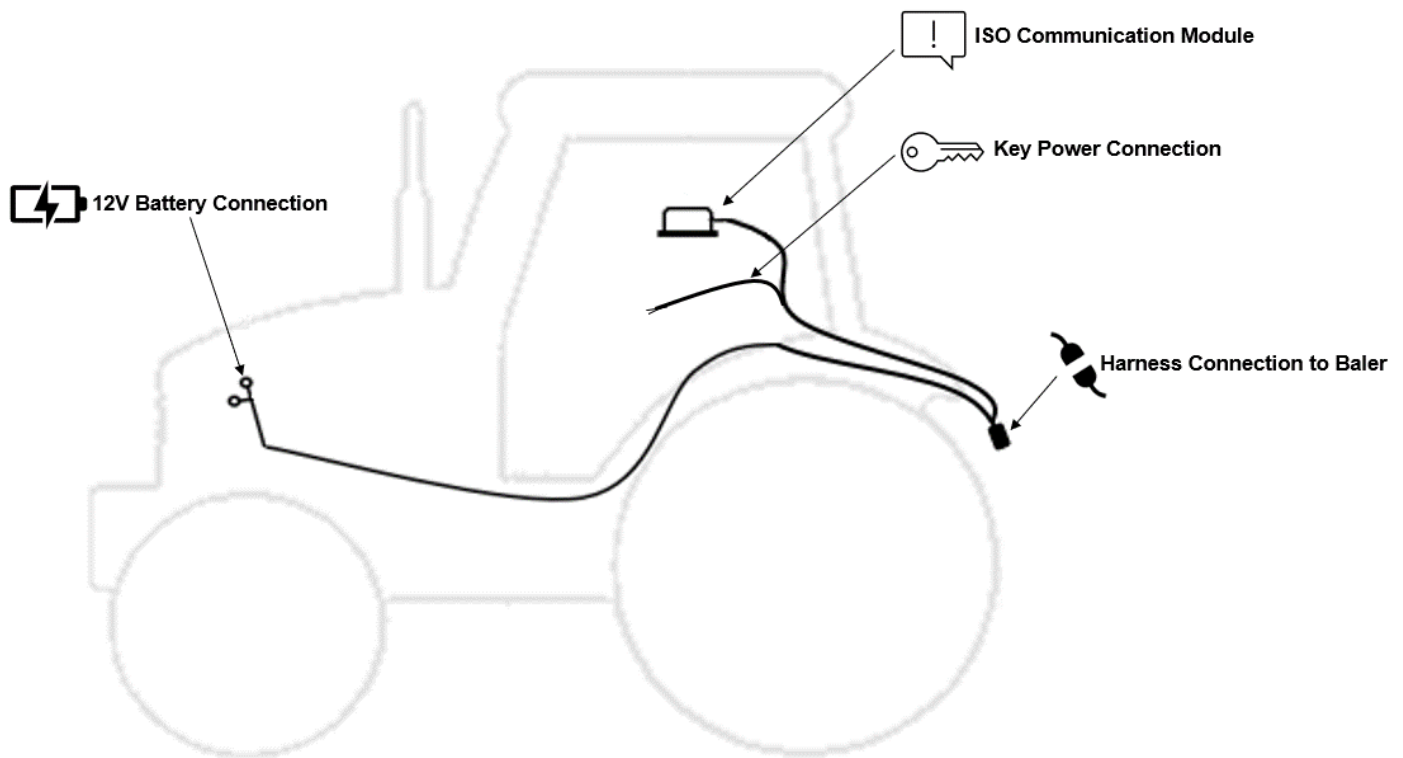
The general tractor setup of the 700 Series applicator can be seen above. The main harness of interest is the tractor power/communication harness (006-765IC). This harness will connect at the tractor battery, to the ISO Communication Module (ICM) mounted in the cab, a keyed power connection point, and connect at the hitch area to the baler power/communication harness (006-763B). *See 700 Series Ops Manual for display options (displays are not included with 700 series applicators).* View below to see highlighted installation instruction:

12V Battery Connection

The 12V battery connection must be at the tractor battery. Connection to alternative locations such as an accessory port can cause problems with applicator system.
MUST BE CONNECTED DIRECT TO TRACTOR BATTERY TERMINALS

ISO Communication Module

The ISO communication module is to be mounted inside the cab. Other mounting locations can lead to issues with weathering and operation. Once installed and the system is powered, a green light will turn on with the ICM module.

Key Power Connection

Ensure a solid keyed connection is found inside the cab and wired into. Poor keyed power connection can result in applicator system issues.

Harness Connection to Baler

The tractor harness connects at the hitch to baler power/communication harness (006-763B). This will allow the system components to communicate with one another. Ensure connections are debris and corrosion free.

Placement of Spray Holders

Install Kit 4505X

The cross bar on the wind guard above the pick-up head provides a mounting point for the nozzle holders (001-4714J). Mount the nozzle holders on the wind guard, using the supplied U bolts (001-4714UBS). Measuring from the center of the baler, the nozzle holders will need to be 6" (15cm) apart on a 4' (1.2M) and 9" (23cm) apart on a 5' (1.5M) Do not fully tighten.

Position the nozzle holders so that the tips spray in a horizontal direction over the top of the baler's pickup. The tips should be located so that they will be between 14" and 18" (35 - 45 cm) from the normal path of hay. Make sure the nozzle holders do not interfere with the tying system. *It is recommended to test the system with water prior to field operation. This will ensure the fan pattern from the tips reaches the outside edges of the pickup while having a slight overlap in the center.
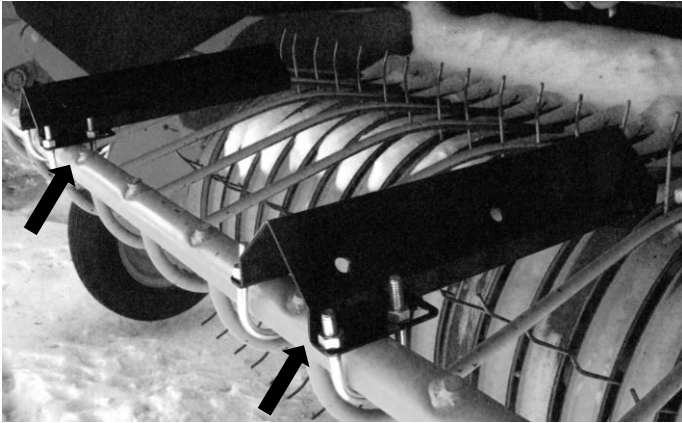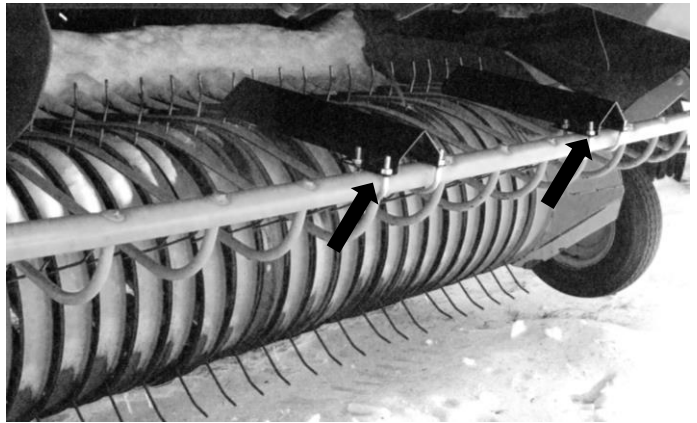
Figure 1   Figure 2   Figure 3

Install Kit 4517x

Twine and Net Balers
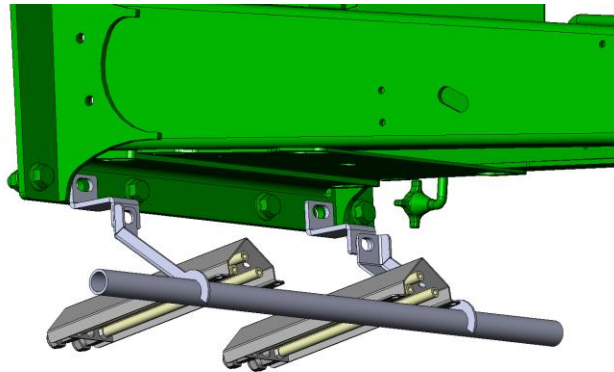
Locate the four flange head bolts where the baler hitch bolts to the bottom side of the baler frame. Remove the two outside bolts. Attach the spacers (001-4703NS) to the **hitch side** of the baler frame. Use original hardware to secure. Attach the nozzle holder (001-4703R) to the spacers with the supplied M16 x 40mm flange bolts and nuts. Attach the nozzle mount (001-4714J) to the nozzle holder (001-4703R) with 5/16" U bolts, locks, and nuts. Measuring from the center of the pickup, the nozzle holders should be about 6" apart for 4' (1.2M) wide balers and 9" (23cm) apart for 5' (12.5cm) wide balers. Do not fully tighten. Lift the roller baffle and position the end of the nozzle holder bracket so the tips are just above the roller baffle (if equipped) when it is lifted to its highest point. Tighten all hardware and attach the hoses.

Net Only Baler
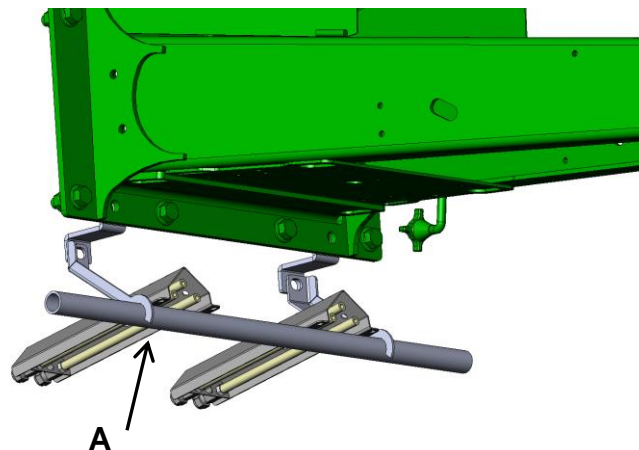
Locate the four flange head bolts where the baler hitch bolts to the bottom side of the baler frame. Remove the two bolts. Attach the spacers (001-4703NS) to the **chamber side** of the baler frame. Use original hardware to secure. Attach the nozzle holder (001-4703R) to the spacers with the supplied M16 x 40mm flange bolts and nuts. Attach the nozzle mount (001-4714J) to the nozzle holders (001-4703R) with 5/16" U bolts, locks and nuts. Measuring from the center of the pickup, the nozzle holders should be about 9" (23cm) apart with bracket **A** as close to the V-shaped stop as possible. Do not fully tighten. Lift the roller baffle (if equipped) and position the end of the nozzle holder bracket so the tips are just above the baffle when it is lifted to its highest point. Tighten all hardware and attach the hoses.

Install Kit 4523X, 4531X & 4543X

Locate the spray shield (001-4704G) and spray shield hangers (001-4704H). Mount the spray shield above the pickup reel and directly in front of the rotor on the baler. Use the two existing holes to mount the shield using four 3/8" x 1-1/2" bolts, locks, flats, and nuts. Tighten all hardware.

For 5ft wide balers, place hanger extender (001-4704HZ) between the baler and the spray shield hangers (001-4704H) prior to mounting the spray shield (001-4704G)

001-4704HZ bracket locations
(5ft wide balers only)

001-4704H

001-4704G

Install Kit 4524X

Locate the spray nozzle holder (001-4703T). Situate the holder, centered on the baler sheet metal and mark one hole per side. Drill two 5/16" (8mm) holes and attach the holder using two 3/8" x 1" bolts, locks, flats, and nuts. Install one nozzle tube in the center.

The two remaining nozzle tubes, will mount 1" (25mm) in from each end. Do not fully tighten. Position the nozzle tubes so that the tips will be 14"-18" (35-45cm) away from the normal path of hay. Tighten the nozzle tubes to the nozzle holder.
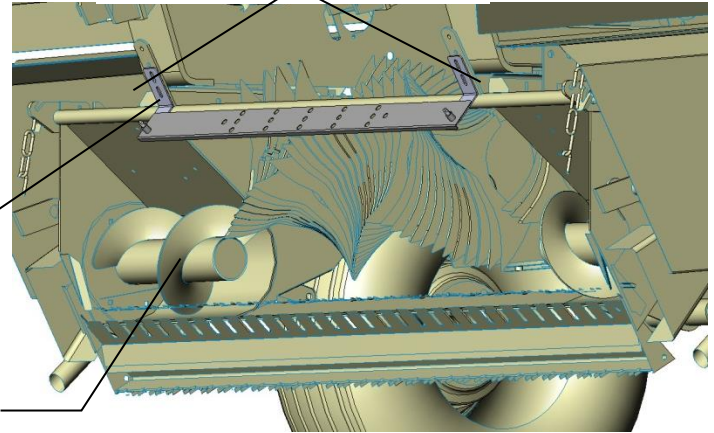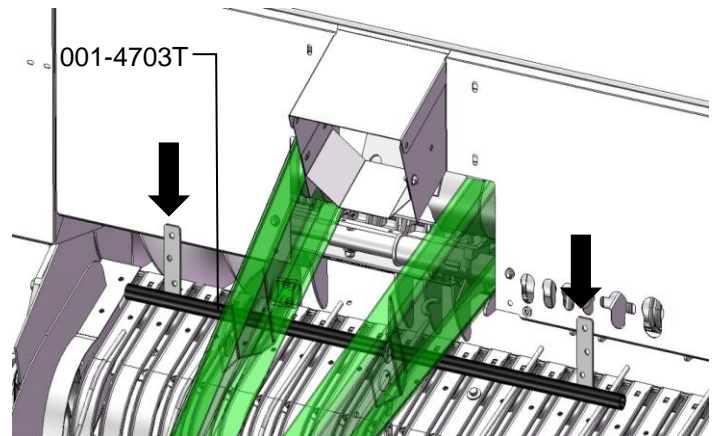
001-4703T

Install kit 4526X

Locate the spray shield (001-4704G) and spray shield hangers (001-4704MC). Mount the spray shield above the pickup reel as shown below. Attach the shield to the baler using the supplied two 3/8" x 1-1/2" bolts, locks, flats and nuts. Tighten all hardware.

001-4704G   001-4704MC
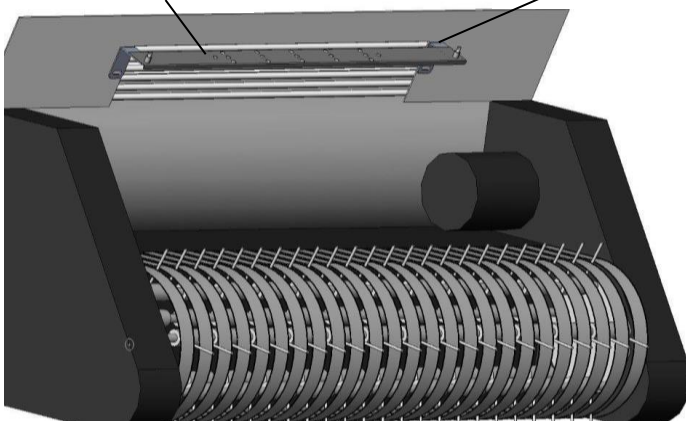
Install Kit 4538X

Assemble Spray Bar

Attach the nozzle tube pipe (001-4703TP) to the pipe mounting brackets (001-4703TH) with the supplied U Bolts. Do not tighten U-bolts, to allow mounting brackets to move. Attach the nozzle mounts (001-4714JS) to the nozzle tube pipe with U-bolts and secure. The nozzle mounts should be about 6" (12.5cm) apart for 4' (11cm) wide balers and 9" (23cm) apart for 5' (12.5cm) wide balers.

Back of Baler

001-4703TP

001-4703TH

001-4714JS

001-4714UBS
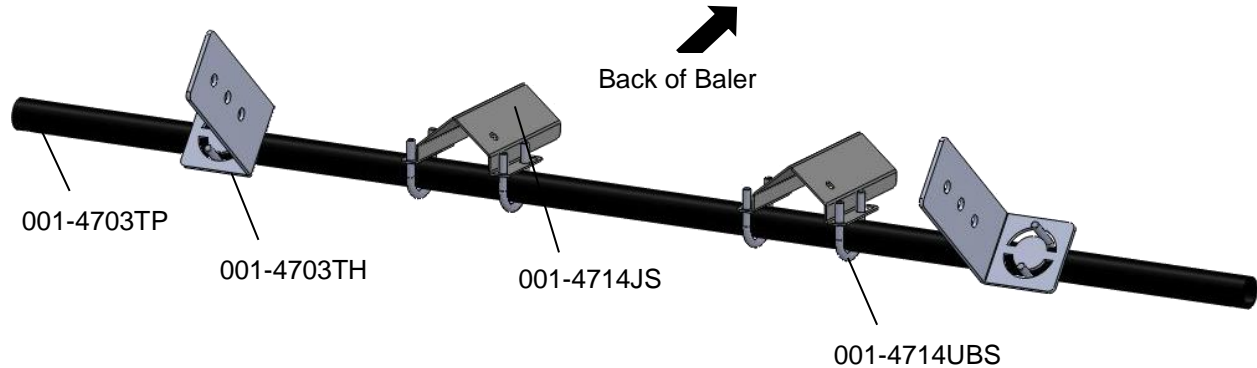
Attach Spray Bar Assembly

Position mounting brackets (001-4703TH) on the baler tongue above the pick-up as shown in figure 1 at roughly a 45 degree angle. If your baler is equipped with a roller wind guard, the angle may need to be slightly adjusted to allow clearance and proper coverage of the preservative being applied to the incoming crop. When the exact mounting position has been determined on both sides of the tongue, drill two 3/8" (10mm) holes and secure mounting brackets using four 3/8" x 1 1/4" bolts and hardware in parts bag 7. Ensure that the nozzle mounts (001-4714JS) are pointed toward the back of the baler. Figure 2 shows a side view of the mounting bracket and the nozzle pipe from the left side of the baler.
*Ensure pickup raises and lowers without damaging spray bar assembly.

Figure 1
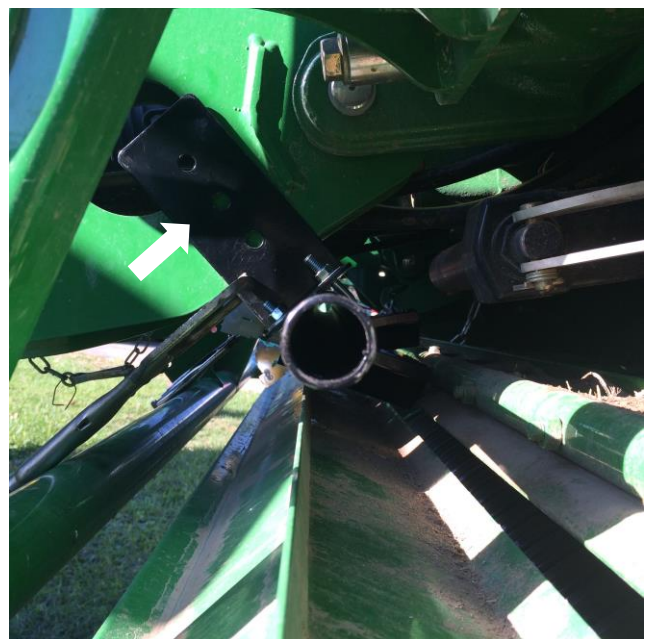
Figure 2

Install Kit 4547X

Locate the spray shield (001-4435NSX) and the shield holder (001-4435NCX2). Position the assembly over the center of the pickup and secure the shield holder to the cross bar support as shown on right using the two 2" Ubolts (001-4714UBX) include with the kit.

Attach the spray shield to the shield holder as shown below by using the two lynch pins provided (008-4576).

Position the spray shield so the preservative will be spraying in front of the rotating precutter. Test with water to adjust as needed.
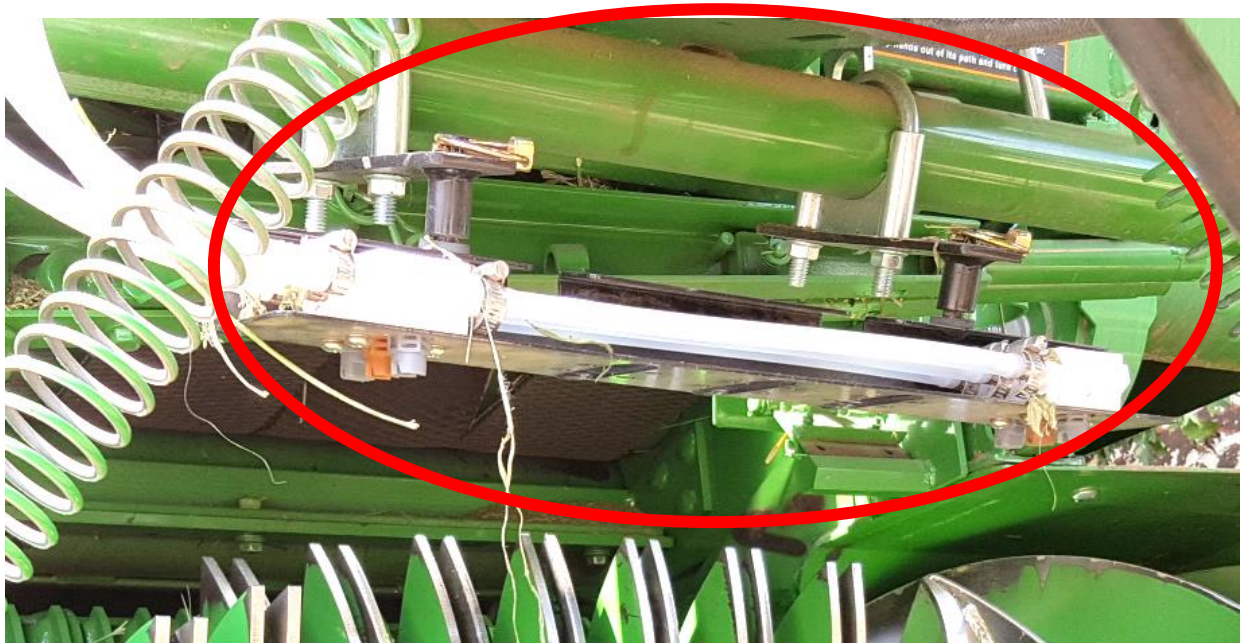
Install Kit 4549X

Locate the four flange head bolts where the baler hitch bolts to the bottom side of the baler frame. Remove the two outside bolts. Attach the spacers (001-4703NV) to the **hitch side** of the baler frame. Use original baler hardware to secure. Attach the nozzle holder (001-4703R) to the spacers with the supplied 1/2" x 1 1/2" bolts, washer, lock washers and nuts. Attach the nozzle mount (001-4714J) to the nozzle holder (001-4703R) with 5/16" U bolts, locks, and nuts. The nozzle mount should be about 6 inches apart for 4 foot wide balers and 9" apart for 5 foot wide balers (1.5M). Do not fully tighten. Lift the roller baffle and position the end of the nozzle holder bracket so the tips are just above the roller baffle (if equipped) when it is lifted to its highest point. Tighten all hardware and attach the hoses.

Install kit 74725-SO

Locate parts bag 10. Four 1/2" (13mm) holes will need to be drilled to mount the shield holder to the baler (Figure 1). The location shown in figure 1 is directly above the baler's pickup. Mount the spray shield holder using four 5/16" x 1 1/2" bolts, locks, flats, and nuts. Attach the spray shield (001-4810B) to the holder using the two supplied lynch pins.

If baler is equipped with a bale slice, contact your local dealer for optional mounting bracket (001-4703BR).

Front of Baler

Figure 1

Figure 2

4' Balers

5' Balers
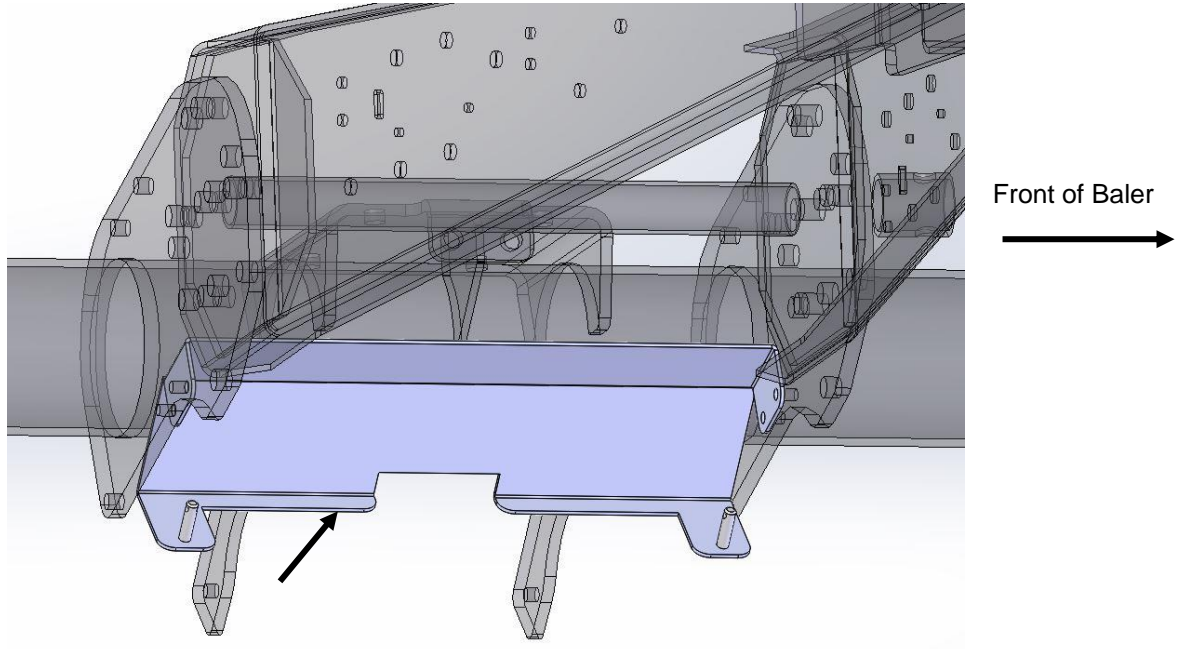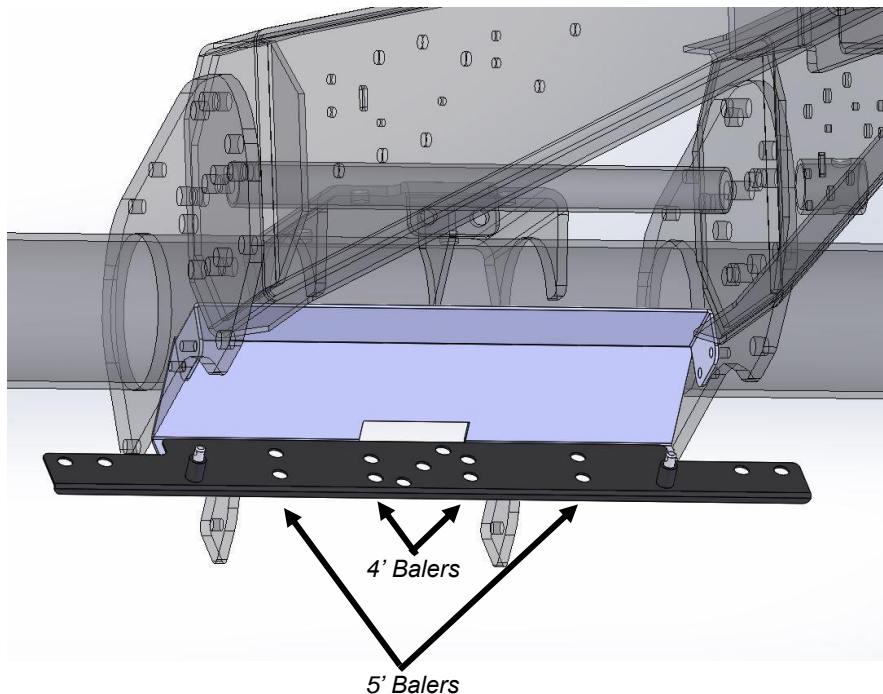
Installation of Drain Fill Kit (models 747 & 749 only)

Locate parts bag 1. Thread 3/4" elbow fitting (003-EL3434) into end of tank. Run 3/4" hose from the elbow down the frame to the bottom of the baler. Drill 1/4" (7mm) holes to accept the valve holder bracket and use two 5/16" x 1" self-tapping screws and secure with two 5/16" flange nuts. Connect valve assembly to other end of hose. Place hose clamps on both ends. Install safety decals (DCL-8001 & DCL-8005) next to ball valve.

*Secure hose to frame using cable locks**.**
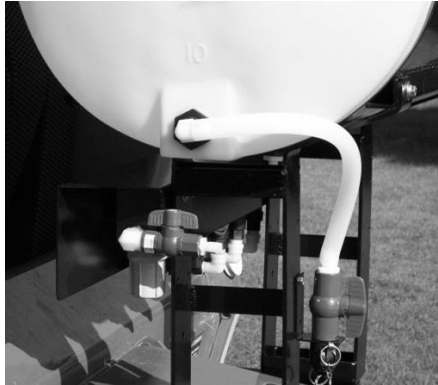
Installation of Plumbing

A. Intake
Locate parts bag 16. Use the 003-EL3412 on the bottom of the tank to route 1/2" line (002-9001) to the 003-A1212 or 003-EL1212 fitting used on the ball valve attached to the pump plate. Attach hose clamps (003-9003) on both of the fittings.

B. Discharge
Route the 1/2" hose from the pump output toward the front of the baler and connect to the solenoid assembly (SOL-3SP-B). Secure the solenoid assembly and hose along baler, positioning the solenoid as close to the spray tips as possible. Connect the 1/4" hose to the outgoing side of the solenoid to tip assembly.

C. Tip Output
See 700 series Ops Manual for tip selection and details of optional 700RBHTK High Output Solenoid kit

Installation of Latch Extension (model 747 only)
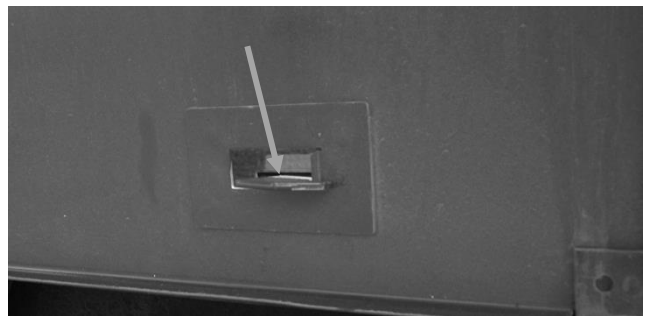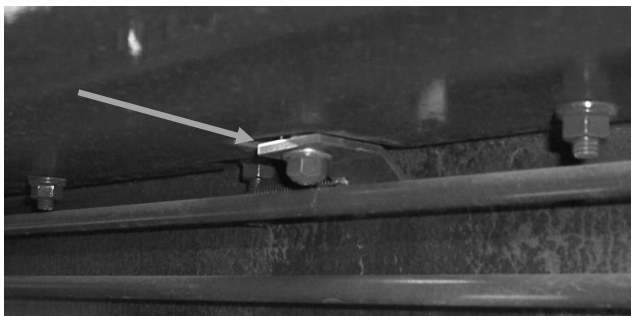
Remove the nut and spring on the existing latch. Replace with the extended latch. Retighten nut and attach the spring. The latch may need to be bent to fit through the doors opening.

Installation of Moisture Sensor Pads and Discs

Install kit 4505X, 4523X, 4543X, 4549X

2" from back of chamber (51mm)

1" from top of roll (25mm)

Figure 1
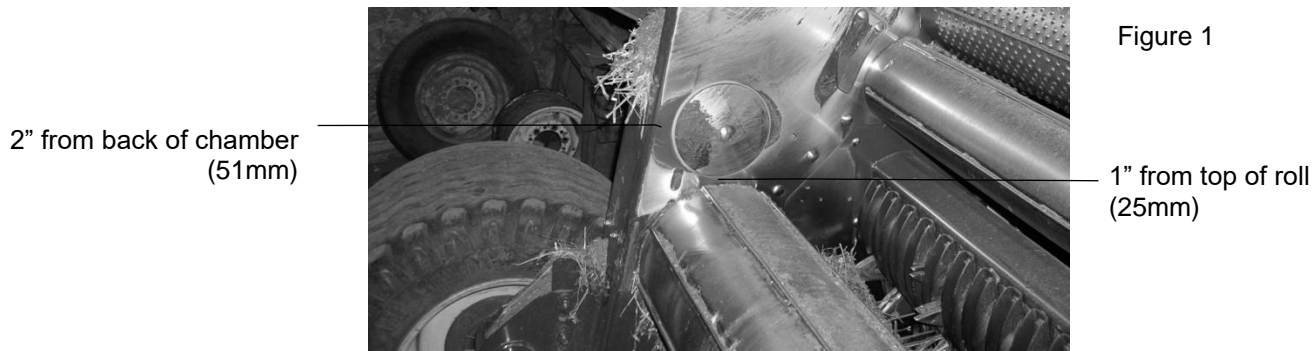
1. If your baler is equipped with bale shaping pads, remove disc and use existing hole (may need to be drilled larger, 3/4" (19mm) to install new moisture sensing discs.
2. If your baler is not equipped with bale shaping pads you will need to drill a hole in the chamber directly behind and above the starting roll (Figure 1).
3. The mounting hole will be 3/4" (19mm) in diameter. Use a plastic pad (006-4641F) and place it into the baler to use as a template. The bottom edge of the pad will be placed 1" (25mm) up from starting roll and 2" (51mm) from the back of the bale chamber (Figure 1).

006-4641G (b)

006-4641G (a)

006-4641I

Moisture Harness Loop
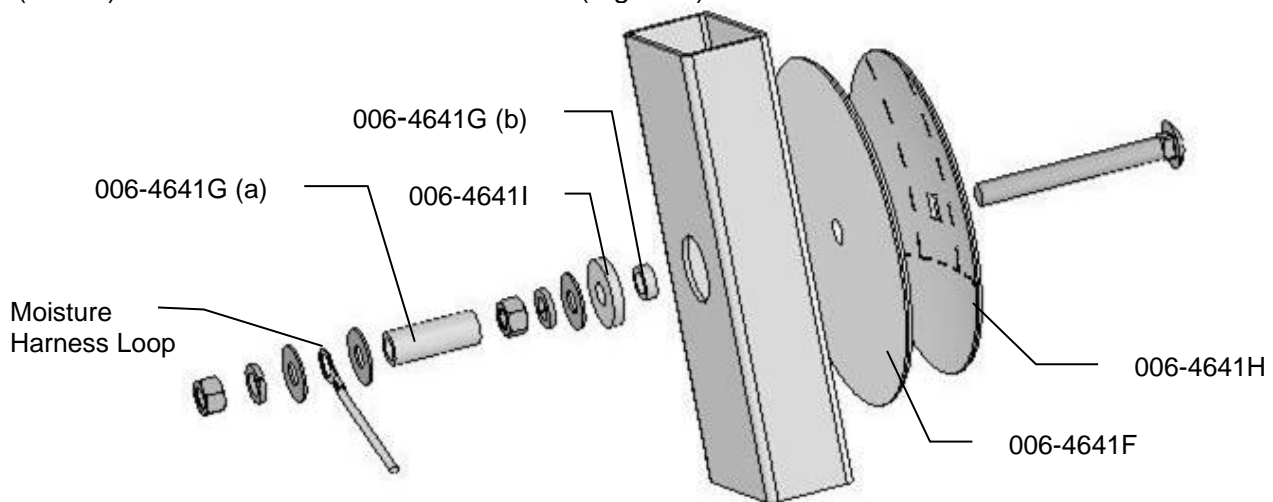
006-4641H

006-4641F

4. Locate the 006-4641G (a) piece, this will need to be cut down to size. Use the already machined line in the bushing to cut off the small piece shown above 006-4641G (b). Part 006-4641I may also need to be trimmed to fit.
5. Depending on the baler the bolt may need to be trimmed for proper fit.
6. Tighten all of the hardware to 50 ft/lbs (68 N/m).
7. Make sure that the plastic pad is protecting all metal surfaces of the disc from touching baler.
8. Run the moisture wire harness (006-7307RB1 or 006-7307RB2) from pump plate area to each disc and securing with cable ties. Be sure harness is clear from moving parts, chains and potential pinch points.
9. Apply silicone over nuts and washers to keep moisture and debris away from connections.

Install kit 4517X & 4547X
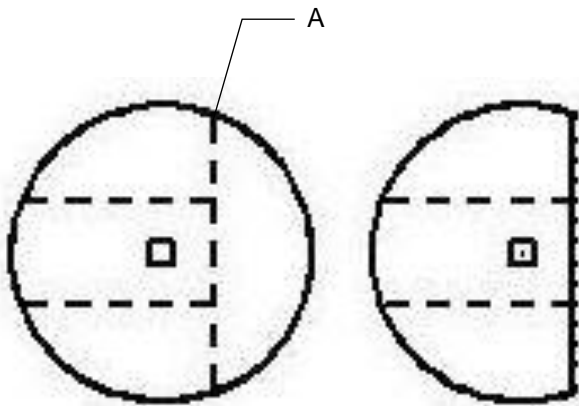
Figure 2
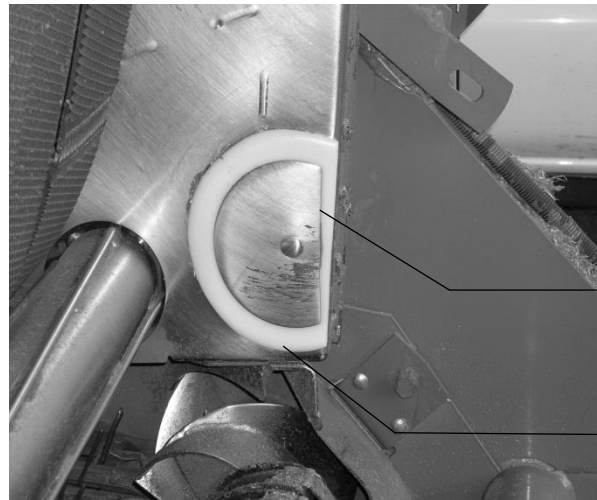
1/4" in from back of baler (7mm)

1" from Bottom (25mm)

Figure 1

1. Both moisture discs (006-4641H) will need to be cut along the serrated line (A) shown on Figure 1. Only cut on the line shown on Figure 1, do not cut the other line.
2. The plastic pad (006-4641F) will also need to be cut 1/4" (7mm) longer than the back of the disc.
3. Using the cut disc as a pattern, mark and drill a 3/4" (19mm) hole in the side of the bale chamber. The disc will need to be placed on the baler 1" (25mm) up from bottom and 1/4" (7mm) in from the back of the chamber (Figure 2).

006-4641G

006-4641I

Moisture Harness Loop

006-4641H

006-4641F
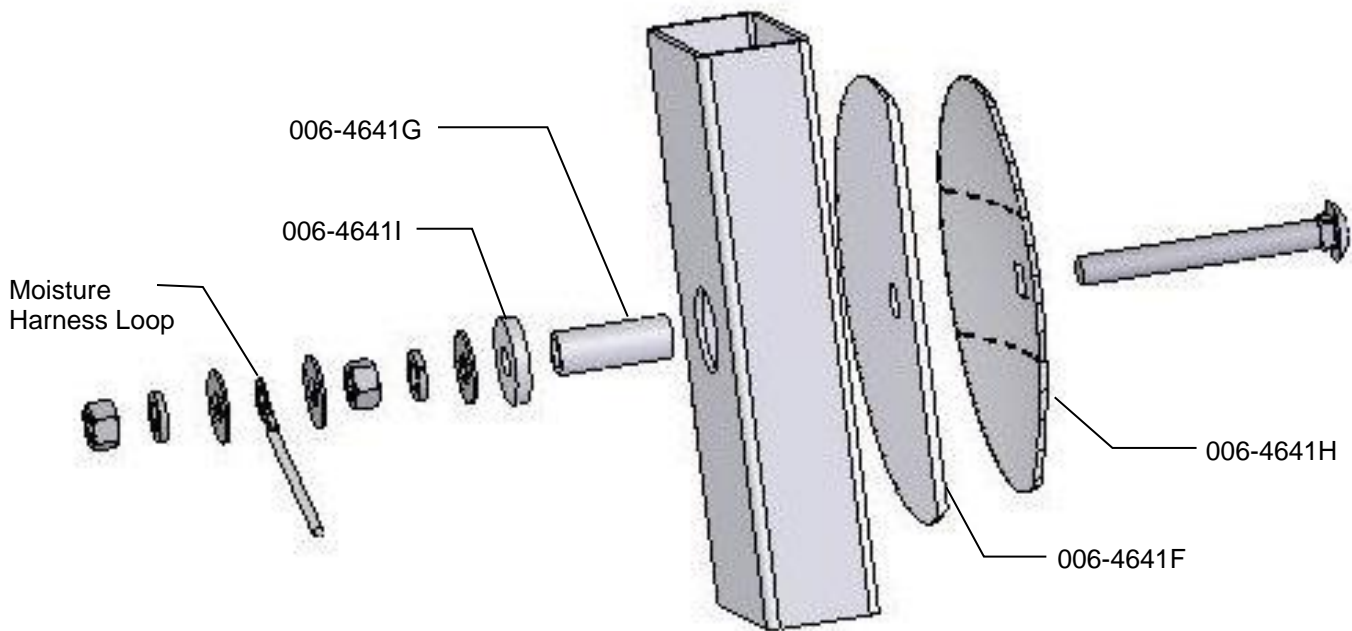
4. Make sure that plastic pad is protecting all metal surfaces of disc from touching baler.
5. Run the moisture wire harness from pump plate area to each disc securing with cable ties.
6. On some balers the bolt may need to be trimmed for proper fit.
7. Tighten all hardware to 50 ft/lbs (68 N/m).
8. Run the moisture wire harness (006-7307RB1 or 006-7307RB2) from pump plate area to each disc and securing with cable ties. Be sure harness is clear from moving parts, chains and potential pinch points.
9. Apply silicone over nuts and washers to keep moisture and debris away from connections.

Install kit 4524X

1. Both moisture discs (006-4641H) will need to be cut along the serrated line (A) shown on Figure 1. Measure from the laser etched line (B) 1 3/4" (45mm) on both side. Mark and cut the disc. A completed disc in shown to the right.
2. The plastic pad (006-4641F) will also need to be cut 1/4" (7mm) larger than the steel disc.
3. Bevel all sides of the cut discs to allow the smooth travel of crop over them.
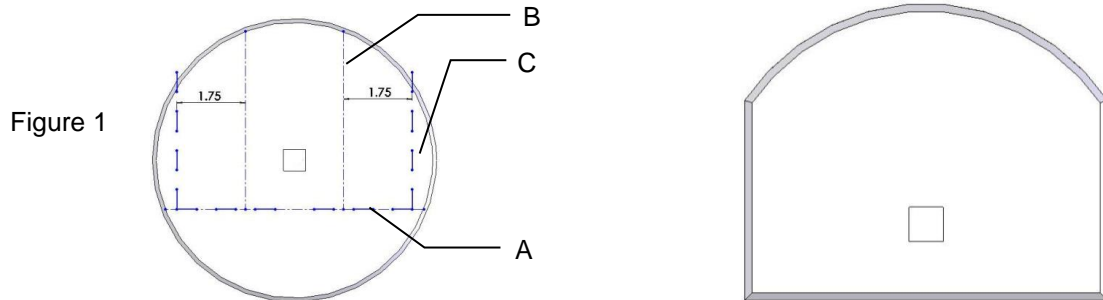
Figure 1

4. Mark a line 1 1/2" (38mm) up and 3 1/2" (89mm) over from point (D). Drill a 3/4" hole at the point (E). Repeat for the opposite side.

Figure 2

5. Locate the 006-4641G. The piece will need to be cut down to size. Use the already machined line in the bushing to cut off the small piece shown above.
6. Depending on the baler the bolt may need to be trimmed for proper fit.
7. Tighten all of the hardware to 50 ft/lbs.
8. Make sure that the plastic pad is protecting all metal surfaces of the disc from touching baler.
9. Run the moisture wire harness (006-7307RB1 or 006-7307RB2) from pump plate area to each disc and securing with cable ties. Be sure harness is clear from moving parts, chains and potential pinch points.
10. Apply silicone over nuts and washers to keep moisture and debris away from connections.
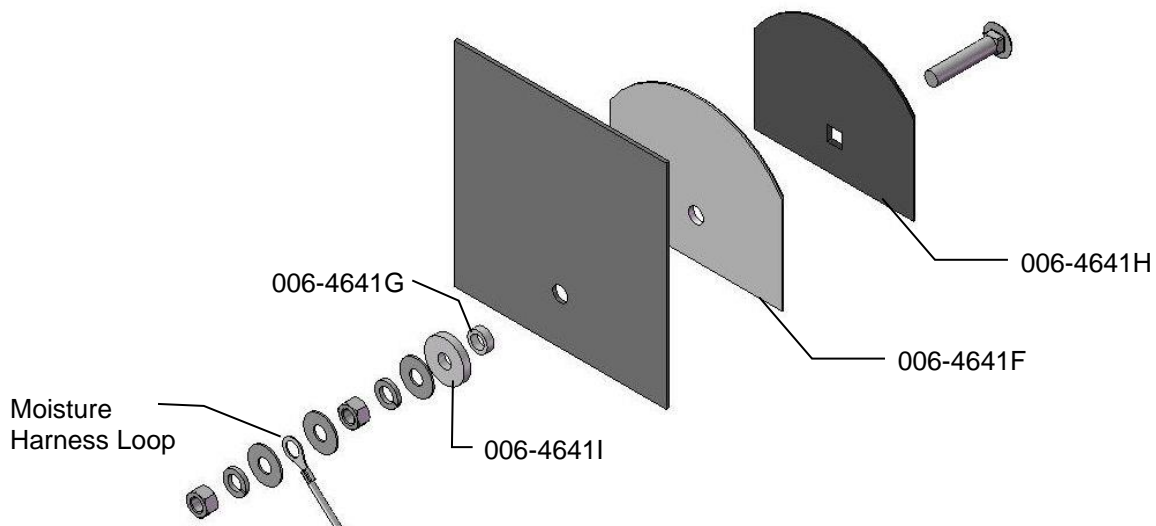
Install kit 4531X

Figure 1
(Diagram of bale chamber pry-out)

Moisture Disk Assembly
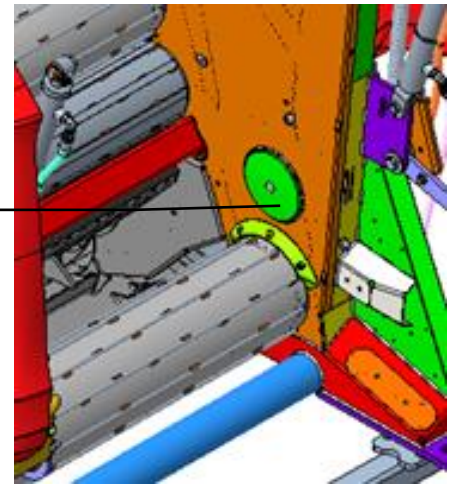
Figure 1

1. Locate marked pry-outs on sides of the bale chamber and remove to change the factory square-hole into a 19mm round hole. Hole may need to be drilled out slightly to accommodate 3/4" wide isolator bushing (006-4641G). (Figure 1)
2. Trim down plastic insulator bushing (006-4641G) using machined mark as an initial guide, and trim down to a finished overall length of 44mm.
3. The mounting hole will be 3/4" (19mm) in diameter. Place plastic pad (006-4641F) behind sensor disk and insert carriage bolt. Place insulated bushing onto carriage bolt and insert through bale chamber wall. Place plastic washer, flat washer, lock washer and nut on bolt and tighten to 50 ft/lbs. Attach Moisture harness loop between additional flat washers and tighten with lock washer and nut.
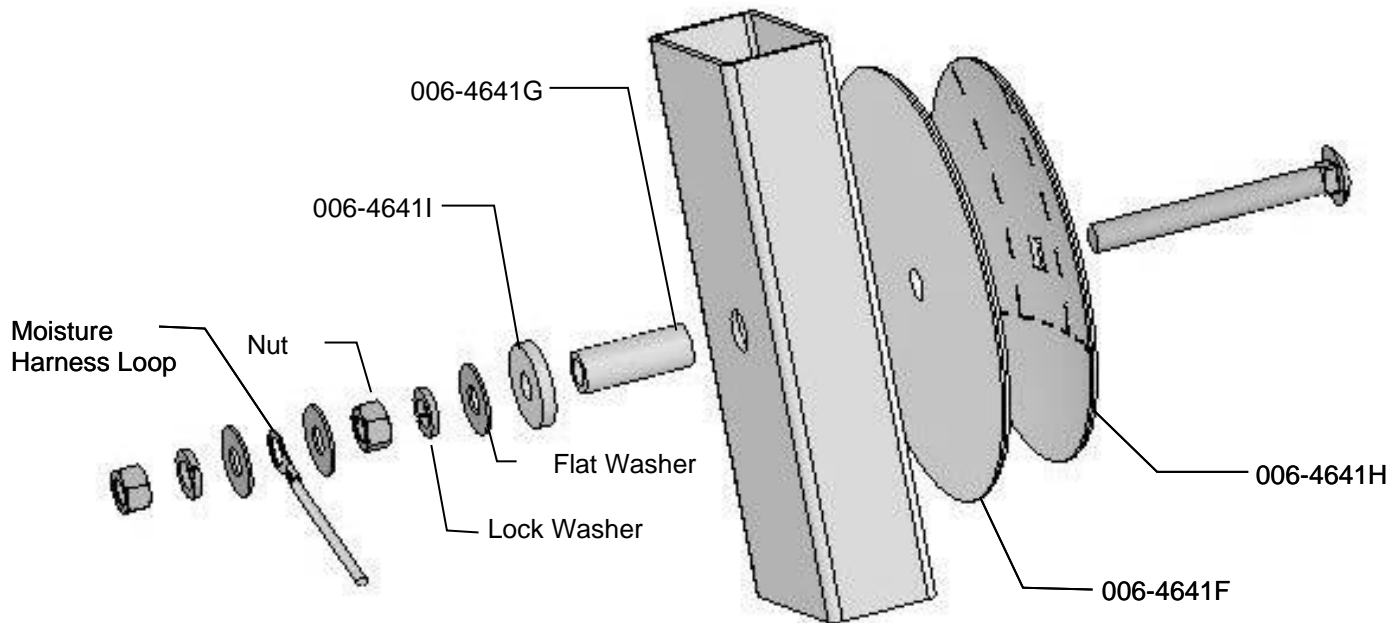
4. Depending on the baler the bolt may need to be trimmed for proper fit.
5. Tighten all of the hardware to 50 ft/lbs (68 N/m).
6. Make sure that the plastic pad is protecting all metal surfaces of the disc from touching baler.
7. Run the moisture wire harness (006-7307RB1 or 006-7307RB2) from pump plate area to each disc and securing with cable ties. Be sure harness is clear from moving parts, chains and potential pinch points.
8. Apply silicone over nuts and washers to keep moisture and debris away from connections.

Install kit 4538X

Measure 5 1/8" from this point, toward top of the baler

Figure 1   Figure 2

1. With the baler door open measure 5 1/8" toward top of baler from the point shown in figure 1. Drill a 3/4" (19mm) hole to mount moisture disc as shown in figure 2.
2. Use plastic pad (006-4641F) and place it into the baler to use as a template. The bottom edge of the pad will be placed 2" (51mm) up from bottom of sheet metal on door and starting roll and 1" (25mm) back from sheet metal seam in figure 2.

006-4641G

006-4641G

006-4641I

Moisture Harness Loop
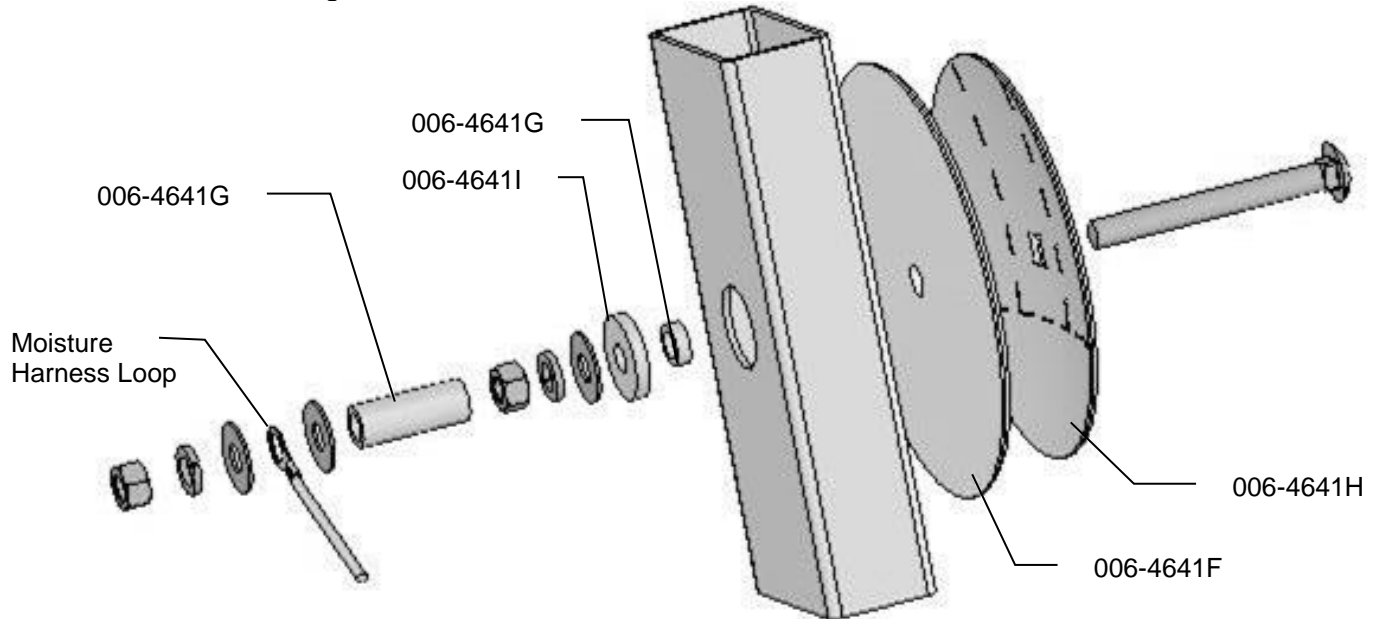
006-4641H

006-4641F
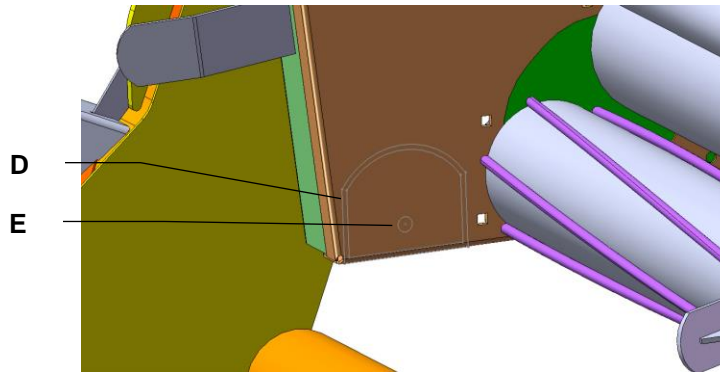
3. Locate part 006-4641G, which will need to be cut down to size. Use the factory machined line in the bushing to cut off the small piece shown above.
4. Depending on the baler the bolt may need to be trimmed for proper fit.
5. Tighten all of the hardware to 50 ft/lbs (68 N/m)
6. Make sure that the plastic pad is protecting all metal surfaces of the disc from touching baler.
7. Run the moisture wire harness (006-7307RB1 or 006-7307RB2) from pump plate area to each disc and securing with cable ties. Be sure harness is clear from moving parts, chains and potential pinch points.
8. Apply silicone over nuts and washers to keep moisture and debris away from connections.
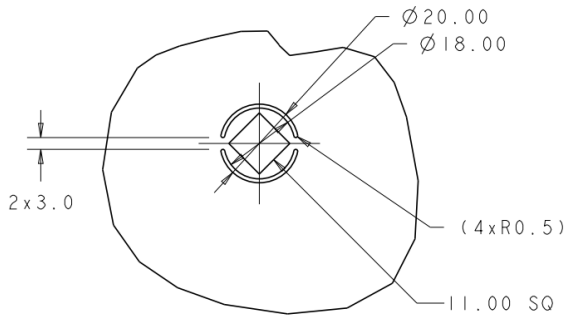
Install kit 74725-SO on four foot wide balers

Figure 1

2" from back of chamber (51mm)

1" from top of roll (25mm)

1. If your baler is equipped with bale shaping pads, remove disc and use existing hole that will need to be drilled to 3/4" (19mm) to install new moisture sensing discs.
2. If your baler is not equipped with bale shaping pads you will need to drill a hole in the chamber directly behind and above the starting roll (Figure 1).
3. The mounting hole will be 3/4" (19mm) in diameter. Use a plastic pad (006-4641F) and place it into the baler to use as a template. The bottom edge of the pad will be placed 1" (25mm) up from starting roll and 2" (51mm) in from the back of the bale chamber. (Figure 1)
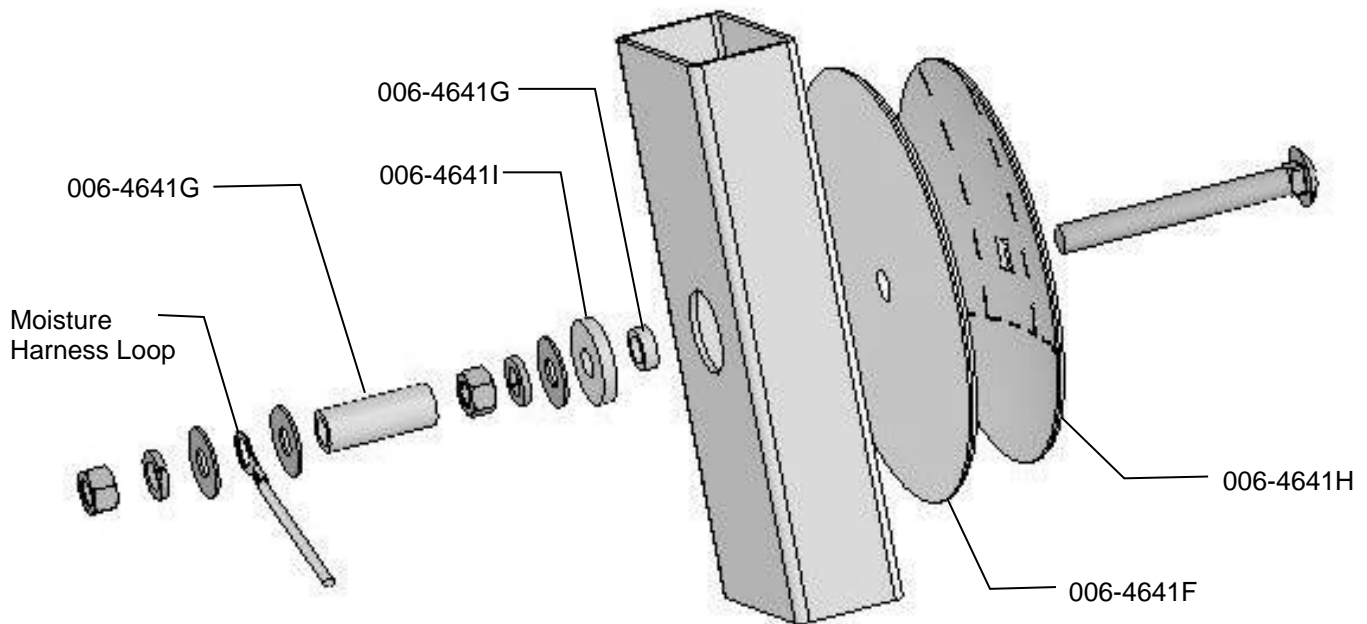
006-4641G

006-4641G

006-4641I

Moisture
Harness Loop

006-4641H

006-4641F

4. Locate the 006-4641G. The piece will need to be cut down to size. Use the already machined line in the bushing to cut off the small piece shown above.
5. Depending on the baler the bolt may need to be trimmed for proper fit.
6. Tighten all of the hardware to 50 ft/lbs (68 N/m).
7. Make sure that the plastic pad is protecting all metal surfaces of the disc from touching baler.
8. Run the moisture wire harness (006-7307RB1 or 006-7307RB2) from pump plate area to each disc and securing with cable ties. Be sure harness is clear from moving parts, chains and potential pinch points.
9. Apply silicone over nuts and washers to keep moisture and debris away from connections.

Install kit 74725-SO on five-foot wide balers

Figure 1

2" from back of chamber
(51mm)

1" from top of roll
(25mm)

1. If your baler is equipped with bale shaping pads, remove disc and use existing that will need to be drilled to 3/4" (19mm) to install new moisture sensing discs. If the discs are welded, the welds will need to ground off for disc removal.
2. If your baler is not equipped with bale shaping pads you will need to drill a hole in the chamber directly behind and above the starting roll (Figure 1).
3. The mounting hole will be 3/4" (19mm) in diameter. Use a plastic pad (006-4641F) and place it into the baler to use as a template. The bottom edge of the pad will be placed 1" (25mm) up from starting roll and 2" (51mm) from the back of the bale chamber. (Figure 1)

006-4641G

006-4641I

Moisture
Harness Loop

006-4641H

006-4641F

4. Depending on the baler the bolt may need to be trimmed for proper fit.
5. Tighten all of the hardware to 50 ft/lbs (68 N/m).
6. Make sure that the plastic pad is protecting all metal surfaces of the disc from touching baler.
7. Run the moisture wire harness (006-7307RB1 or 006-7307RB2) from pump plate area to each disc and securing with cable ties. Be sure harness is clear from moving parts, chains and potential pinch points.
8. Apply silicone over nuts and washers to keep moisture and debris away from connections.

Installing End of Bale Sensor

The bale rate timer sensor is used to determine when the baler door is open. With this information the system is able to change the tons/hour automatically (see Operating Instructions, Automatic Mode).

Locate the sensor (006-7400) and the sensor bracket (001-4648RB). On the right side of the baler find a location 1"– 6" down from the hinge to mount the bracket. Check for clearance with hydraulic cylinders before mounting the bracket. The bracket should be mounted to the front side of the hinge point, with the sensor aligned over the back door.

Mark and drill two 1/4" (7mm) holes and install the bracket using two 5/16" x1/4" self-tapping bolts.

Install the sensor into the bracket and leave 1/4" (7mm) of clearance between the end of the sensor and the door.

The harness will need to be routed towards the DCP. Secure with cable ties and take care to avoid pinch points. The harness extension (006-7400EXT) may need to be used.
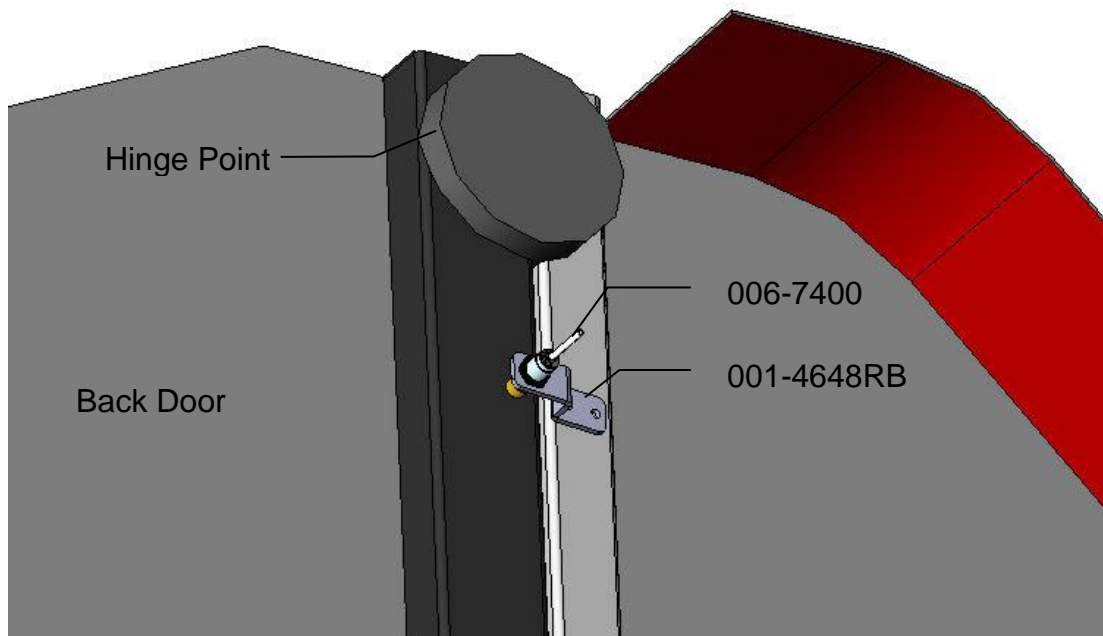
View of the right side of

Front of baler

Wiring Diagram – 731, 735Z, 737, 738K, 747, & 749 Models

1. Connect the power harness (006-765IC) to the tractor battery (12 volt) using the red wire with fuse to the positive side and the black wire to the negative.

   A. The power harness must be connected to the battery!

   > **CONTACT HARVEST TEC BEFORE MODIFICATIONS.**
   > *The unit will draw more amps than convenience outlets can handle. Any modifications of the power harness will void systems warranty**

   B. This unit will not function on positive ground tractors.

   C. If the unit loses power while operating it will not keep track of accumulated pounds of product used.

2. The power harness on the tractor (006-765IC) will run from the tractor battery to the hitch. The power harness on the baler (006-763B) will connect to the tractor power harness (006-765IC) at the hitch.

3. Connect the keyed power wire (006-765CPH) to a keyed power source on the tractor.

   The keyed power wire must connect to a keyed source or the unit will not power up correctly.

4. Attached the ISO Communication Module (006-6673) to the tractor power harness (006-765IC).
5. Attach the End of Bale (EOB) connection on baler harness (006-763B) to the EOB Sensor (006-7401).
6. Attach the Solenoid (SOL 1) connections on the baler harness (006-763B) and to the solenoids (002-2203F).
7. Attach the Flowmeter (006-4724A) to the Pump Module connection on pump plate assembly.
8. Attach the rubber molded connector on pump plate to the Pump (007-4120DE).
9. Attach moisture disc harness (006-7307RB) connection to the IPM and connect to Moisture Discs
10. Ensure 006-700R terminator is connected to CAN/IDM port on 006-763B harness

Wiring Diagram – 736K, 739K, 747C, & 747P Models

1. Connect the power harness (006-765IC) to the tractor battery (12 volt) using the red wire with fuse to the positive side and the black wire to the negative.
   a. **The power harness must be connected to the battery!**
      i. **CONTACT HARVEST TEC BEFORE MODIFICATIONS.**
      ii. **The unit will draw more amps than convenience outlets can handle. Any modifications of the power harness will void systems warranty**
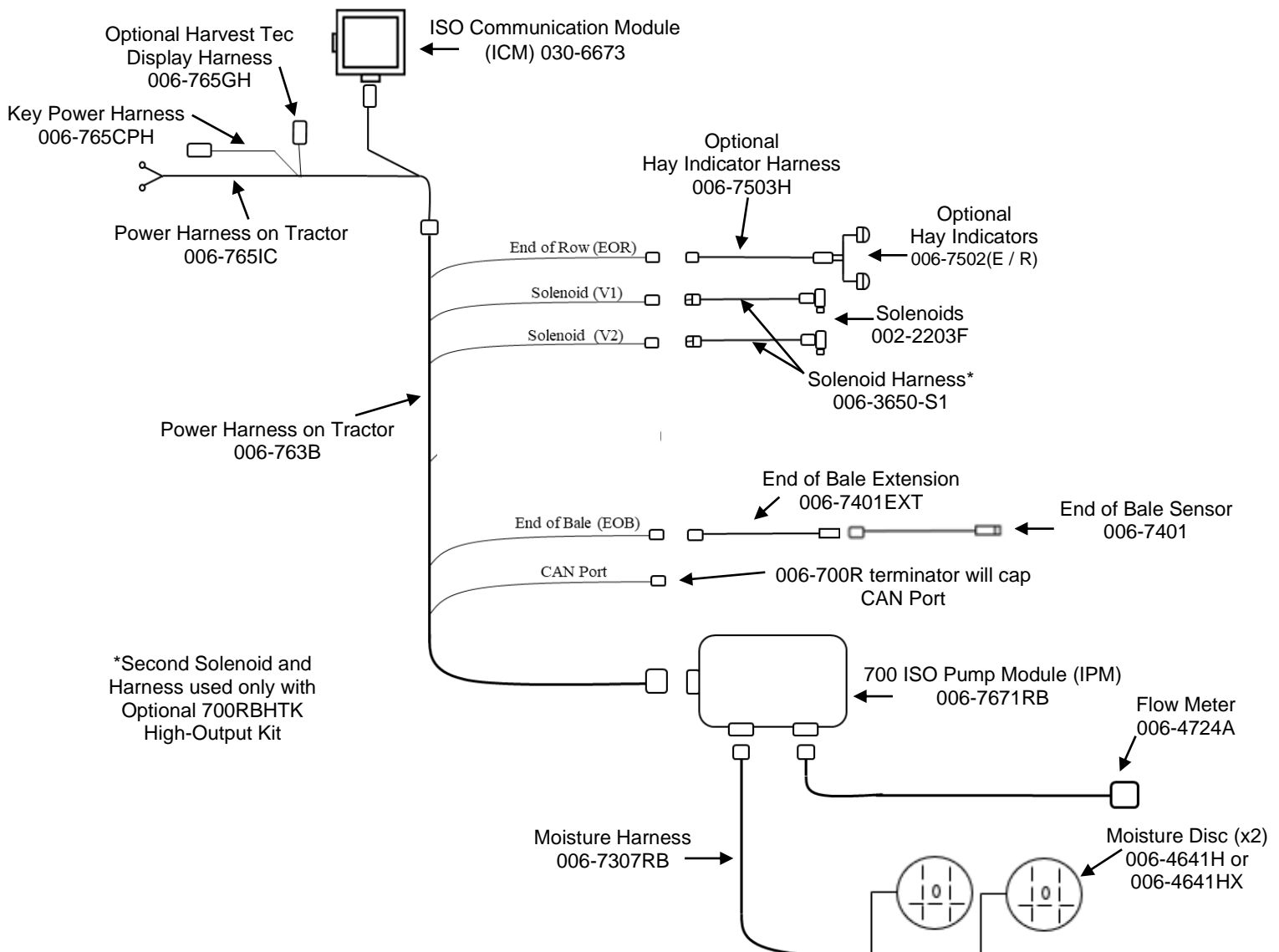   b. **This unit will not function on positive ground tractors.**
   c. **If the unit loses power while operating it will not keep track of accumulated pounds of product used.**
2. The power harness on the tractor (006-765IC) will run from the tractor battery to the hitch. The power harness on the baler (006-763B) will connect to the tractor power harness (006-765IC) at the hitch.
3. Connect the keyed power wire (006-765CPH) to a keyed power source on the tractor.
   a. **The keyed power wire must connect to a keyed source or the unit will not power up correctly.**
4. Attached the ISO Communication Module (006-6673) to the tractor power harness (006-765IC).
5. Attach the End of Bale (EOB) connection on baler harness (006-763B) to the EOB Sensor (006-7401).
6. Attach the Solenoid (SOL 1) connections on the baler harness (006-763B) and to the solenoids (002-2203F).
7. Attach the Flowmeter (006-4724A) to the Pump Module connection on pump plate assembly.
8. Attach the rubber molded connector on pump plate to the Pump (007-4120DE).
9. Attach moisture disc harness (006-7307RB) connection to the IPM and connect to Moisture Discs
10. Ensure 006-700R terminator is connected to CAN/IDM port on 006-763B harness

Common Questions

1. **How do I turn the system on/off?**

   To turn the system ON, turn tractor key on to power up.

   To turn the system OFF, turn off tractor key.

   If operating via Tablet, see SHUTTING DOWN THE PRECISION BALING APP for more details.

2. **How to get in the LBS/TON, MC%, and TONS/HR screens?**

   Press the SETUP key. Select MOISTURE SETUP to change moisture level settings, select APPLICATION SETUP to change your application settings, select BALING RATE SETUP to change tons/hour settings. . See SETTING UP SYSTEM FOR INITIAL USE for a detailed explanation of this process.

3. **The unit is stuck in the Application Setup screen.**

   In the Application Rate screen, level 1 must be less than level 2, and level 2 must be less than level 3. For example, if level 1 is set at 16, level 2 must be set at 17 or higher, and level 3 must be set higher than level 2.

4. **How does OVERRIDE work?**

   Override turns on the pump and opens the solenoid for full output. The pump and solenoid will remain at full output until the operator turns the pump off by pressing the NORMAL key again.

5. **The flow meter reading is more or less than the programmed level set in the box.**

   Some variation in flow meter readings compared to the programmed set point is normal due to factory tolerances on the pump motor as well as varying tractor voltages inputted to the control box. The flow meter reading is an accurate measure of how much product is being applied. The set points then will need to be adjusted if you want to attain a different flow meter reading.

6. **The moisture content displays "LO" or "HI" all the time.**

   When the moisture content display does not change frequently while baling, there is likely a faulty moisture disc connection. Check all moisture harness wires and connectors to see if there is a continuity or grounding problem.

7. **Should the battery connections be removed before jump starting or charging a battery?**

   Yes, anytime the tractor will have voltage going up rapidly the connections should be removed.

Troubleshooting

Problem	Possible cause(s)	Solution(s)
Pump will not run	1. No voltage to IPM.	1. Check for short, low voltage, and replace fuse if necessary.
	2. Pump locked up.	2. Clean or rebuild pump if motor ok
	3. Damaged wire.	3. Repair damaged wire.
	4. Damaged solenoid	4. Replace / Clean
Pump runs but will not prime	1. Air leak in intake.	1. Tighten fittings on intake side. Replace filter bowl O-ring.
	2. Clogged intake.	2. Clean.
	3. Restricted outlet.	3. Check and clean tips.
	4. Check valve stuck closed.	4. Clean or repair check valve.
	5. Dirt inside pump.	5. Replace pump check valve.
Pump does not develop enough output.	1. Air leaks or clogs on inlet.	1. Tighten or clean filter bowl
	2. Pump worn or dirty.	2. Rebuild pump.
Moisture reading errors (reading high or low)	1. Wire disconnected or bad connection between moisture disc and IPM.	1. Reconnect wire. Touch both moisture discs with 2 hands. Human body should have a moisture reading between 20-28% moisture on the screen
	2. Low power supply to IPM	2. Check voltage at IPM box for min of 12V
	3. Build up of hay material inside of bale chamber contacting moisture disc and side wall of chamber	3. Remove build up contacting moisture disc
	4. Short in moisture disc harness.	4. Replace harness
Moisture reading erratic	1. Check all wiring connections for corrosion or poor contact.	1. Apply dielectric grease to all connections.
	2. Check power supply at tractor. Voltage should be 12V-14V	2. Replace battery harness. Install voltage surge protection on tractors alternator.
Product is less than actual product used.	1. Voltage supplied to flow meter is less than 11 volts.	1. Check for a min of 11 volts supplied at IPM module.
	2. Wiring short in signal to IPM.	2. Inspect wire and replace if necessary.
	3. Using product other than Harvest Tec	3. Catch and weigh product for output.
Product shown is 10% different than actual product used.	1. High voltage supplied to the meter.	1. Check voltage at IPM. Max of 18V.
	2. Air leak in intake.	2. Look for air bubbles in line. Replace line or other defective area that is allowing air into the system.
	3. Using product other than Harvest Tec	3. Catch and weigh product for output.
System leaks product out of tips after shutting down.	1. Dirty or defective solenoid	1. Clean or Replace.
System does not pause at the end of a row.	1. Short in harness 2. Damaged sensor 3. Sensor misalignment	1. Replace harness 2. Replace sensor 3. Align sensors – see 474C manual
Solenoid will not pulse	1. Dirty or plugged solenoid 2. Damaged wire from control 3. Wire disconnected	1. Clean or Replace 2. Repair 3. Reattach
ISO Communication Module light will not illuminate	1. ICM Module receiver not connected 2. Harness disconnected 3. Low power	1. Check connections and voltage. Minimum of 12.5 volts required.
	Green Light – When the ISO Communication Module is properly connected, a blinking green light will indicate connection.	

Tablet Troubleshooting

Tablet Symptom	Troubleshooting
Tablet will not turn on	- Turn tablet off and on. Press and hold the Sleep/Wake button for a few seconds until powered completely off. Press and hold the Sleep/Wake button to turn on again.
	- Battery may be drained. Plug tablet into computer or AC adapter and see if anything happens. The tablet will recognize it has been connected to a power source and charge its battery. If it will no longer charge, the battery must be swapped with a replacement battery.
Tablet touchscreen is slow or does not respond	- Screen may be dirty. Clean screen. Unplug everything, turn off tablet and with soft, lint-free, slightly damp cloth gently wipe screen. DO NOT use window cleaner and paper towels. - If screen protector sheet installed, try removing it.
Tablet is not charging or is slow to charge	- To charge tablet, you can try either connecting to a power outlet or connecting to a USB 2.0 port on a computer.
How can I unlock my tablet if I forgot the passcode	- If cannot remember passcode, will need to restore device using the computer with which was last synced. This allows for ability to reset your passcode and resync the data from the device (or restore from a backup).
How do I send in my tablet for service?	- Refer to tablet owner's manual. DO NOT SEND TABLET TO HARVEST TEC
For other issues refer to tablet's Owner's Manual or contact Apple Directly	

# *Harvest Tec Does Not Service Tablets*

Pin Outs

Integrated Control Module (ICM) on Tractor Harness 006-765IC
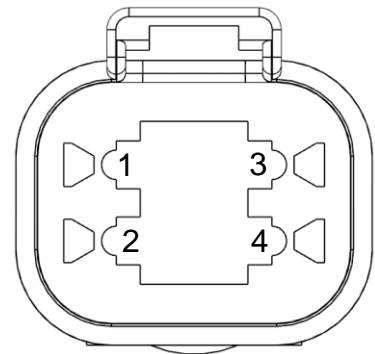(Deutsch Plug Number: DTM06-12SA)

Pin	Color	Function
Pin 1	Red	+12V from ECU
Pin 2	Purple	Signal Wire
Pin 3	Red/White	+12V CAN X
Pin 4	Black/White	Ground CAN X
Pin 5	Orange	CAN X Hi
Pin 6	Blue	CAN X Lo
Pin 7	Green	ISO CAN Lo
Pin 8	Yellow	ISO CAN Hi
Pin 9	White	GPS Expansion 1
Pin 10	Gray	GPS Expansion 2
Pin 11	Brown	GPS Expansion 3
Pin 12	Black	Ground from ECU
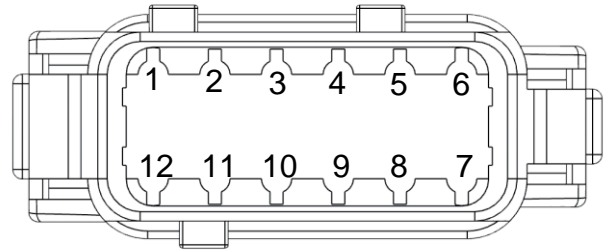
ISOBUS Plug on Tractor Harness 006-765IC
(Deutsch Plug Number: DT04-4P)

Pin	Color	Function
Pin 1	Red	+12V from ECU
Pin 2	Yellow	ISO CAN Hi
Pin 3	Green	ISO CAN Lo
Pin 4	Black	Ground from ECU

Power / Communication Tractor Harness 006-765IC at Hitch
(Deutsch Plug Number: HDP24-24-18PN)

Pin	Color	Function
Pin 1	Not Used	----
Pin 2	Yellow	ISO CAN Hi
Pin 3	Green	ISO CAN Lo
Pin 4	Red	+12V Power to ECU
Pin 5	Black	Ground to ECU
Pin 6	Red	+12V From Battery
Pin 7	Not Used	----
Pin 8	Black	Ground From Battery
Pin 9	Not Used	----
Pin 10	Purple	Signal Wire
Pin 11	Red/White	+12V CAN X
Pin 12	Black/White	Ground CAN X
Pin 13	Orange	CAN X Hi
Pin 14	Blue	CAN X Lo
Pin 15	White	GPS Expansion 1
Pin 16	Gray	GPS Expansion 2
Pin 17	Brown	GPS Expansion 3
Pin 18	Not Used	----

40
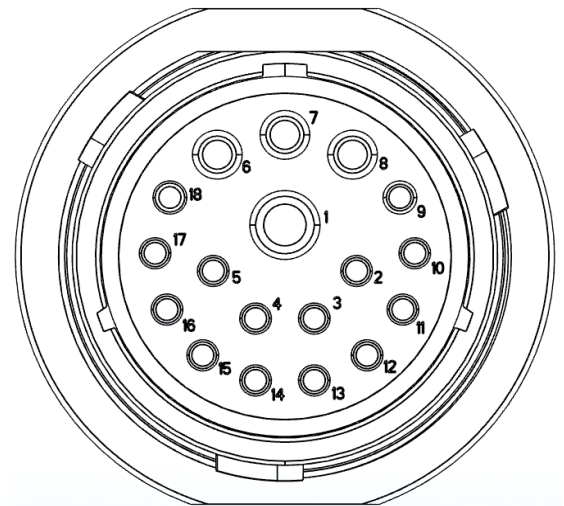
Pin Outs (continued)

Power / Communication Baler Harness 006-763B at Hitch
(Deutsch Plug Number: HDP26-24-18SN)

Pin 1	Not Used	----
Pin 2	Yellow	ISO CAN Hi
Pin 3	Green	ISO CAN Lo
Pin 4	Red	+12V Power to ECU
Pin 5	Black	Ground to ECU
Pin 6	Red	+12V From Battery
Pin 7	Not Used	----
Pin 8	Black	Ground From Battery
Pin 9	Not Used	----
Pin 10	Not Used	----
Pin 11	Not Used	----
Pin 12	Not Used	----
Pin 13	Not Used	----
Pin 14	Not Used	----
Pin 15	Not Used	----
Pin 16	Not Used	----
Pin 17	Not Used	----
Pin 18	Not Used	----

Power / Communication Baler Harness 006-763B at IPM Module
(Deutsch Plug Number: HDP24-24-18PN)

Pin 1	Not Used	----
Pin 2	Yellow	ISO CAN Hi
Pin 3	Green	ISO CAN Lo
Pin 4	Red	+12V Power to ECU
Pin 5	Black	Ground to ECU
Pin 6	Red	+12V From Battery
Pin 7	Not Used	----
Pin 8	Black	Ground From Battery
Pin 9	Not Used	----
Pin 10	Orange/White	+12V Power to EOR
Pin 11	Orange/Black	Ground to EOR
Pin 12	Purple/Green	EOR Signal
Pin 13	Blue/White	EOB Signal
Pin 14	Gray/Red	+12V Power to Solenoid 1
Pin 15	White/Black	Ground to Solenoid 1
Pin 16	Orange/Red	+12V Power to Solenoid 2
Pin 17	White/Black	Ground to Solenoid 2
Pin 18	Not Used	----
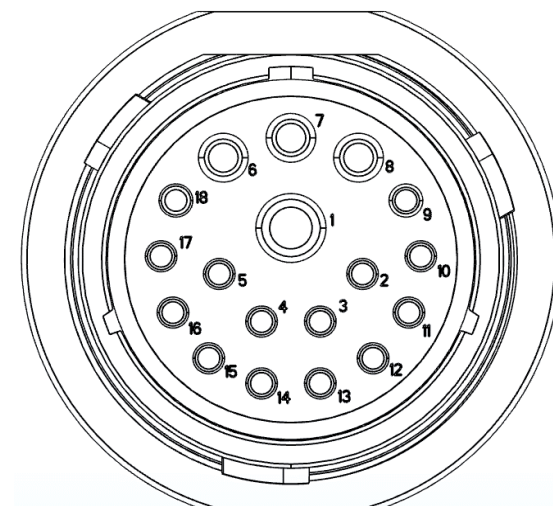
*IPM Module Whip Plug- Pin # 5 Not Used

Solenoid 1 Plug on Baler Harness 006-763B
(Deutsch Plug Number: APTIV 12052641)

Pin B	Gray/Red	+12V to Solenoid 1
Pin A	White/Black	Ground to Solenoid 1

Solenoid 2 Plug on Baler Harness 006-763B
(Deutsch Plug Number: APTIV 12052641)

Pin B	Orange/Red	+12V to Solenoid 2
Pin A	White/Black	Ground to Solenoid 2
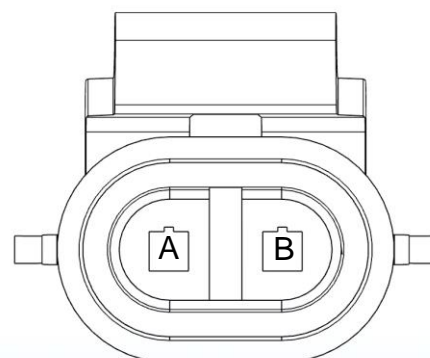
Pin Outs (continued)

CAN / IDM on Baler Harness 006-763B
(Deutsch Plug Number: DT06-4S)
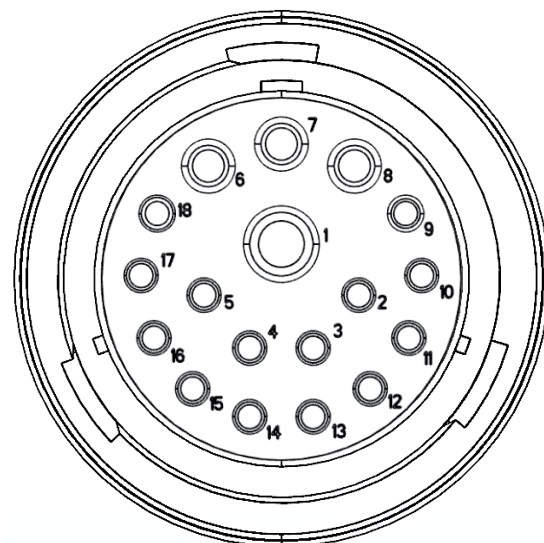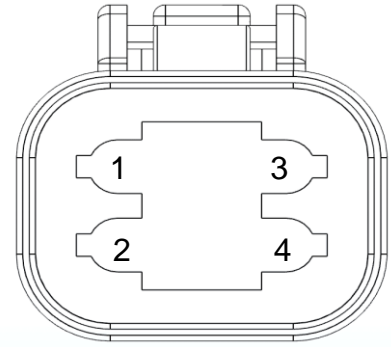
Pin 1   Red   +12V to ECU
Pin 2   Yellow   ISO CAN Hi
Pin 3   Green   ISO CAN Lo
Pin 4   Black   Ground to ECU

End of Bale Sensor Plug on Baler Harness 006-763B
(Deutsch Plug Number: DT06-3S)

Pin 1   Orange/White   +12V to End of Bale Sensors
Pin 2   Orange/Black   Ground to End of Bale Sensors
Pin 3   Blue/White   Signal
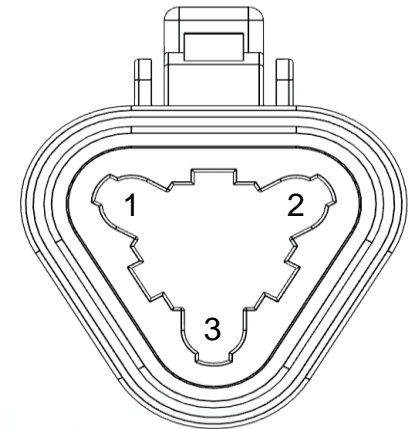
End of Row Sensors Plug on Baler Harness 006-763B
(Deutsch Plug Number: DT06-3S)

Pin 1   Orange/White   +12V to End of Bale Sensors
Pin 2   Orange/Black   Ground to End of Bale Sensors
Pin 3   Purple/Green   Signal

Pump Connection on 700 Controller Harness
(16 AWG Two-Wire Plug)

Pin 1   Red   Power to Pump
Pin 2   Black   Ground to Pump

Parts Breakdown

Model 731 Base Kit

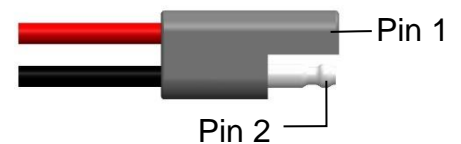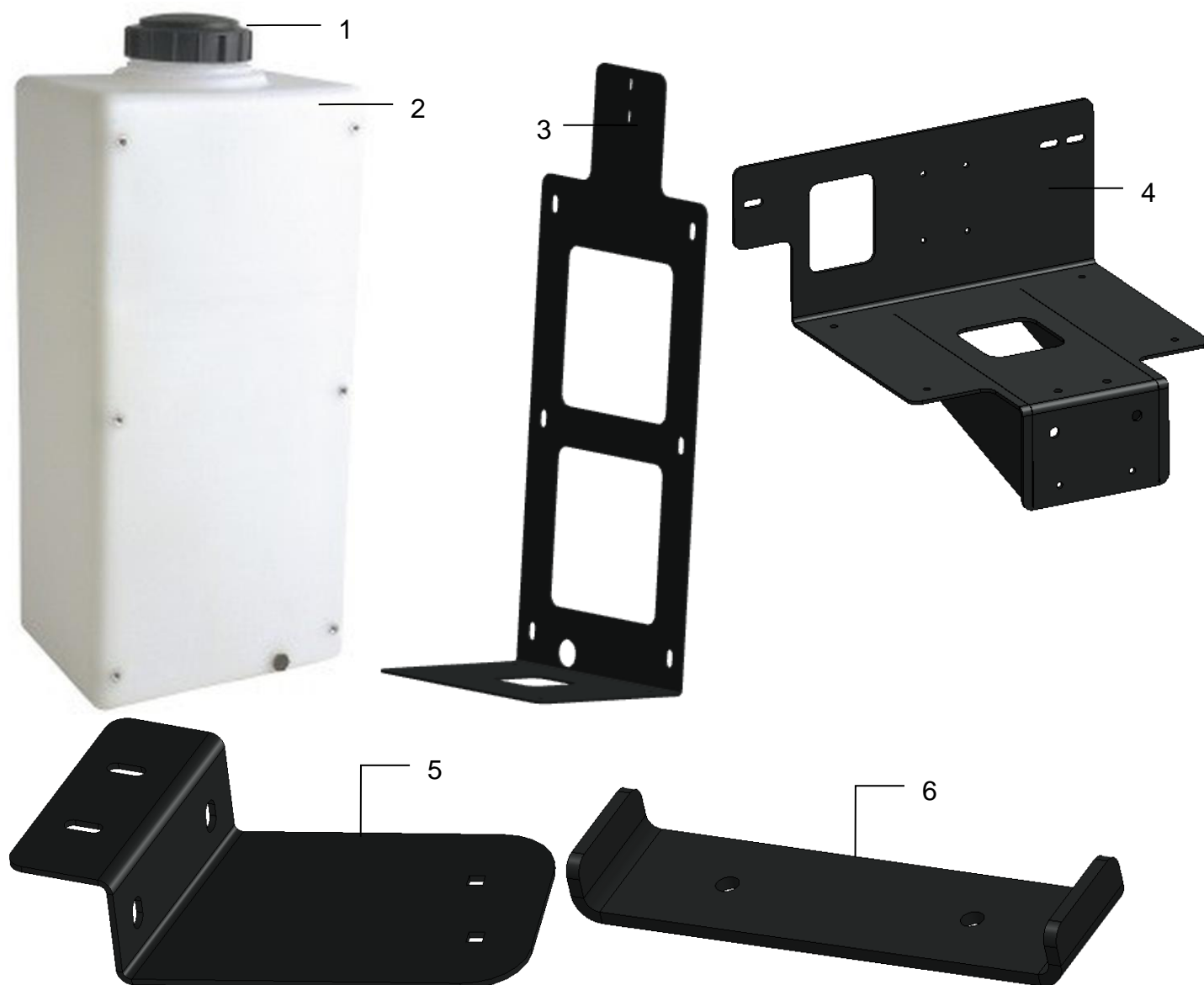| Ref	Description	Part #	Qty	Ref	Description	Part #	Qty
1	Tank Cap	005-9022C	1	8	Inside Reach Rod	001-4405	2
2	20 Gallon Tank	005-4705T	1	NP	3/4" Tank Fitting	005-9100	2
3	20 Gal Tank Bracket	001-4705A	1	NP	3/4" Street Fitting	003-SE34	1
4	20 Gal Tank Frame	001-4705B	1	NP	3/4" x 3/4" Elbow	003-EL3434	1
5	20 Gal Platform Bracket	001-4705C	1	NP	Cap Gasket (included)	005-9022CG	1
6	20 Gal Platform Standoff	001-4705D	1	NP	U-Bolt - Small	001-4714UBS	1
7	Outside Reach Rod	001-4404	2				
					Complete Kit	030-0431-TK	

Model 747 Base Kit
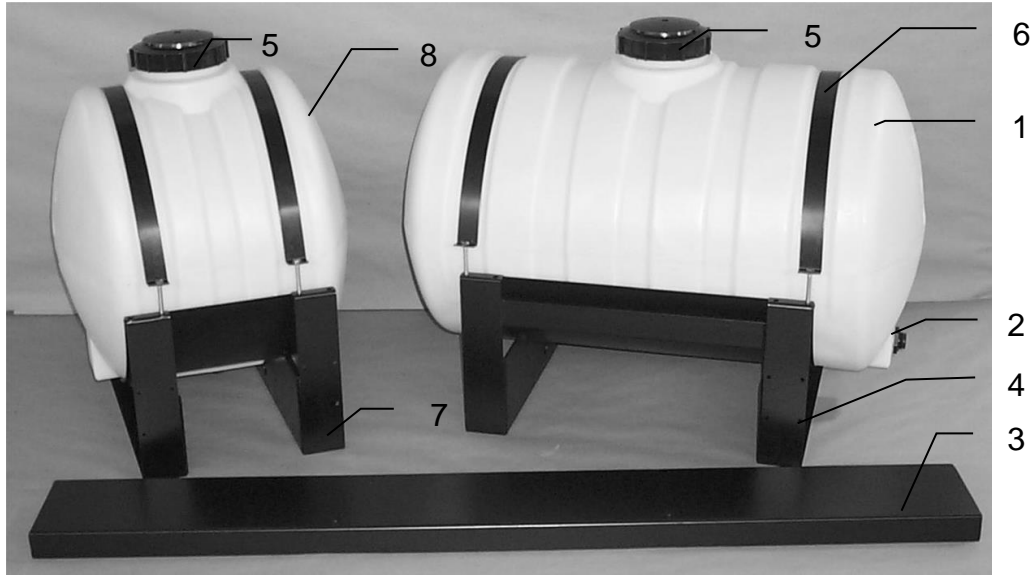
Ref	Description	Part #	Qty	Ref	Description	Part #	Qty
1	55 Gallon tank	005-9203	1	5	Tank lid	005-9022C	1
2	Tank fitting	005-9100	1		Tank lid gasket	005-9022CG	1
3	Cross support bracket	001-4445B	1	6	Tank strap	001-4402	1
4	55 Gallon saddle	001-4445A	1	7	25 Gallon saddle	001-4442	1
				8	25 Gallon tank	005-9022	1

25 Gal Tank Saddle Kit   030-044225-TK (5-8)
55 Gal Tank Saddle Kit   030-044255-TK (1-6)

Model 747P Base Kit

Ref	Description	Part #	Qty	Ref	Description	Part #	Qty
1	50 Gallon tank	030-9203SQ	1	7	Tank Support	001-4703XPG	1
2	Tank Strap	001-4402	2	8	Leg Shim	001-4703XS	2
3	Hand Rail	001-6707HRS	1	9	Beacon Bracket	001-4703XBM	1
4	Saddle	001-4703X	1	10	Tank Cap and Gasket	005-9022H	1
5	Left Tank Leg	001-4703XPL	1				
6	Right Tank Leg	001-4703XPR	1		Tank Kit Assembly	030-0447P-TK (1-10)	

Model 747C Base Kit
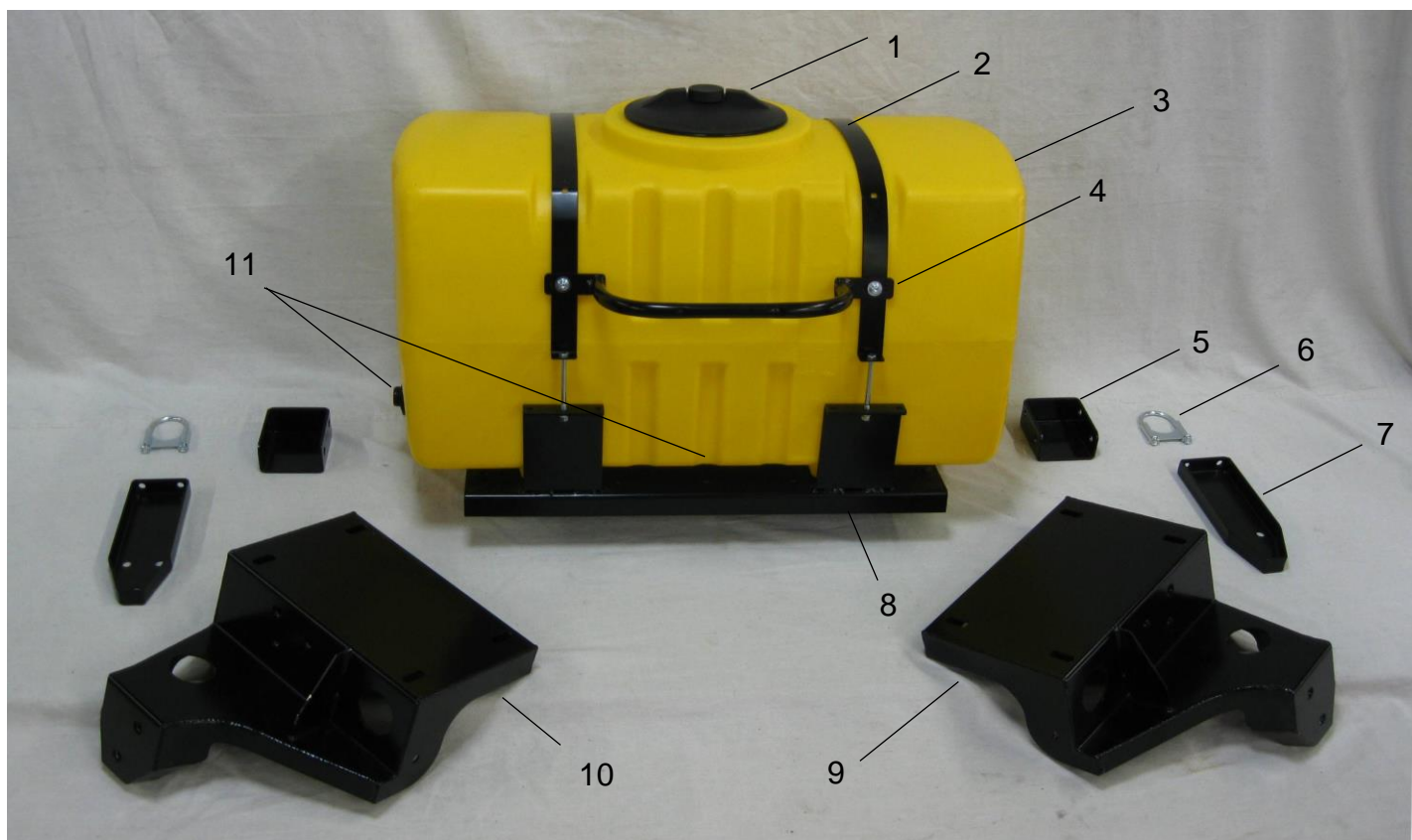
Ref	Description	Part #	Qty	Ref	Description	Part #	Qty
1	55 Gallon tank lid	005-9022H	1	7	Anchor Bracket	001-4703XA	2
2	Strap	001-4402	2	8	Saddle	001-4703X	1
3	Tank	005-9203SQ	1	9	Left Leg	001-4703XL	1
4	Handle	001-6707HRS	1	10	Right Leg	001-4703XR	1
5	Anchor Bracket Ext	001-4703XAX	2	11	Tank fitting	005-9100	2
6	U Clamp	001-4703XAB	2				

Tank Kit Assembly   030-0447C-TK (1-11)

Model 749 Base Kit
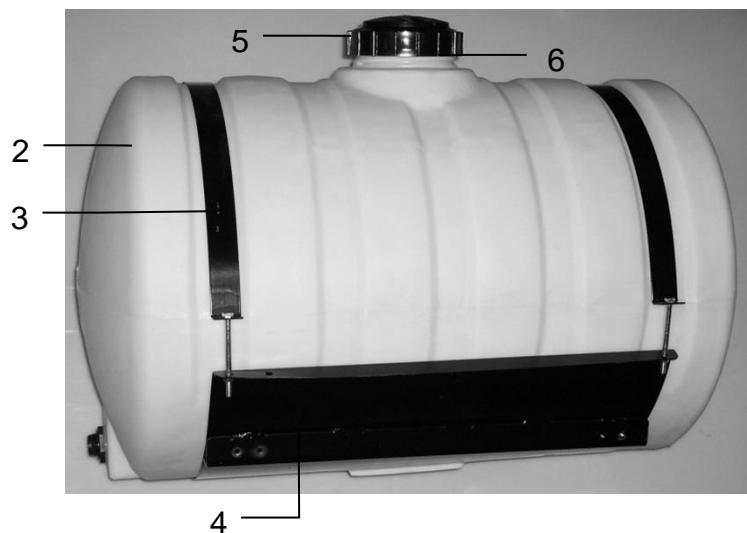
Ref#	Description	Part #	Qty
1	Tank	005-9203	1
2	Straps	001-4402	2
3	Tank Fitting	005-9100	2
4	Saddle	001-4703	1
5	Tank Cap	005-9022C	1
6	Tank Gasket	005-9022CG	1

Tank Saddle Kit   030-0448-TK (1-6)

Parts Breakdown for Pump Assembly -Round Balers

003-RB1214PB
006-4724A
003-M1212F
003-M1212
003-RB3814PB
002-4315-100
002-4566F
003-M1212
003-SE38
003-SE12
003-M3838
002-2212
007-4120DE
001-4648XL
003-EL1212
003-EL3812

006-4684X
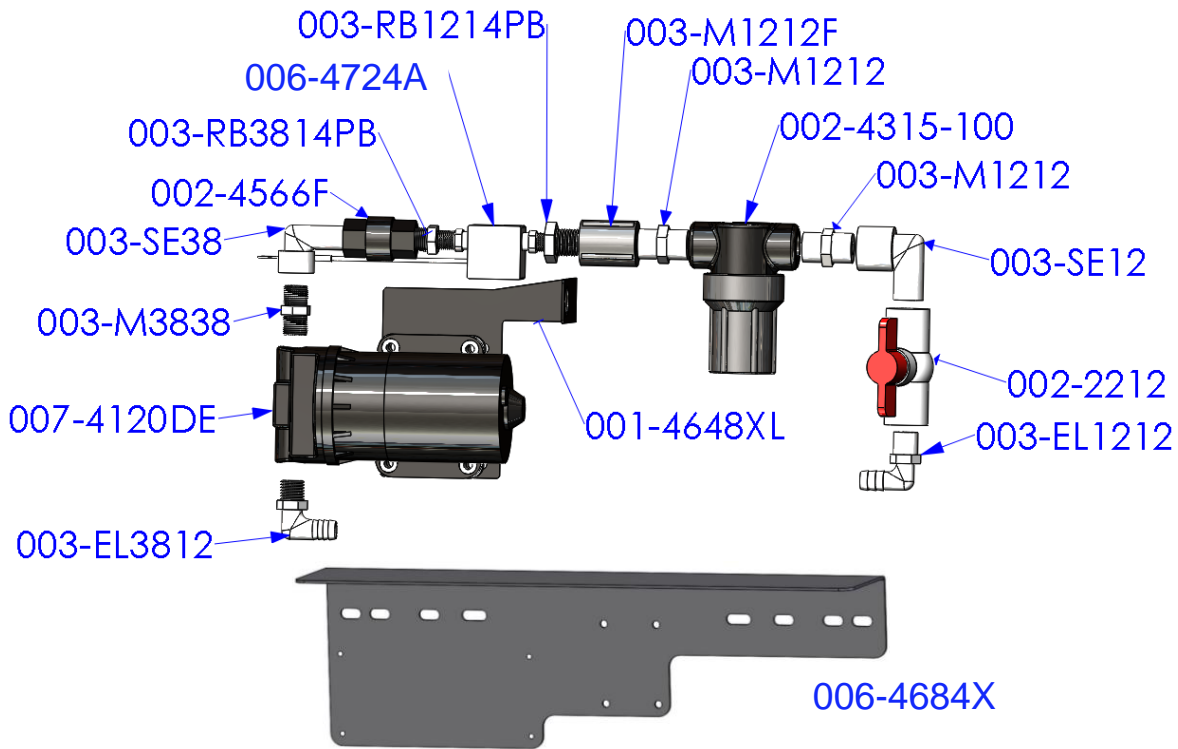
Part#	Description	Qty	Part#	Description	Qty
003-EL3812	3/8"MPT X 1/2"HB Elbow	1	003-M1212	1/2" Union	2
007-4120DE	700/300 Series Pump	1	002-4315-100	1/2" Line Strainer-100 Mesh	1
003-M3838	3/8" x 3/8" Union	1	003-SE12	1/2" Street Elbow	1
003-SE38	3/8" Street Elbow	1	002-2212	1/2" Ball Valve	1
002-4566F	3/8" Check Valve	1	003-EL1212	1/2"MPT x 1/2"HB	1
003-RB3814PB	RB 3/8" x 1/4" Reducer	1	001-4648XL	300 Pump Support	1
006-4724A	Flow Meter-Deutsch Plug	1	001-4648X	Pump Plate Mount	1
003-RB1214PB	RB 1/2" x 1/4" Reducer	1	003-A1212*	1/2" MPTx1/2"HB (Not Pictured)	1
003-M1212F	1/2" Coupler	1	003-A3812*	3/8" MPTx1/2"HB (Not Pictured)	1

*Note: Due to alternative baler designs, elbow 003-EL3812 can be replaced by straight fitting 003-A3812. Elbow 003-EL1212 can also be replaced by straight fitting 003-A1212. Both straight fittings are included.
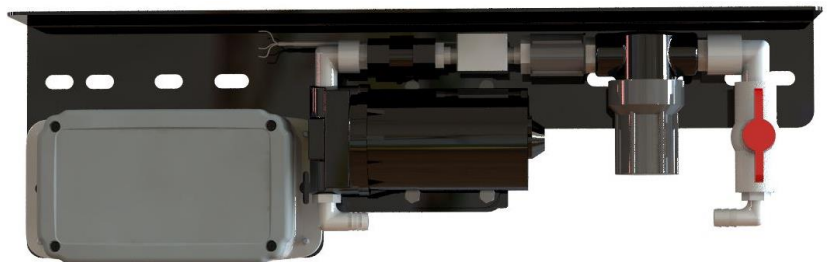
Filter Bowl Replacement Parts
002-4315F   Filter Bowl
002-4315D   Filter Bowl Gasket
002-4315A   Replacement Screen-100 Mesh
002-4315B   Replacement Screen- 80 Mesh

Pump Replacement Parts
007-4582   Full Pump Rebuild Kit- 4120DE
007-4121L   Replacement Center Section only
007-4212G   Replacement Top Section only
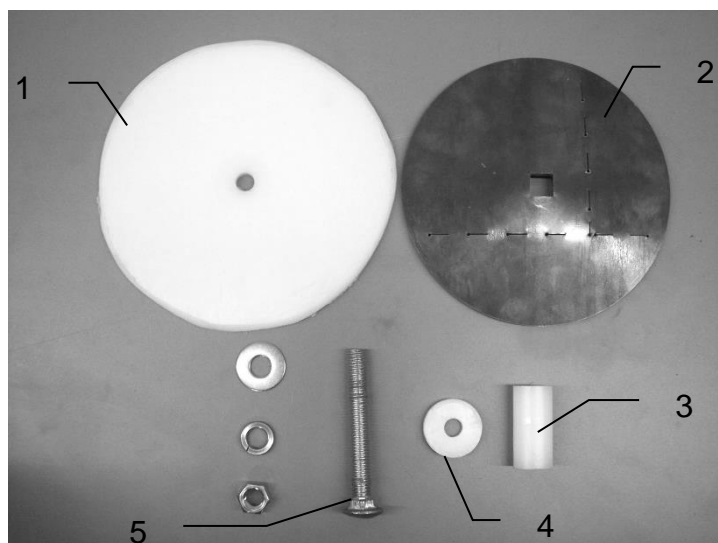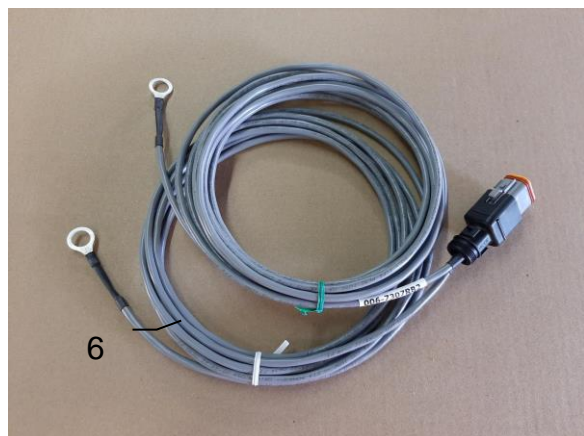
Completed Assembly – PMP-7636P

Additional Brackets - 747P Only
Pump Plate Support 001-4703XJ
Rear Bracket 001-4703XK
U-Bolt Clamp 001-4703XU

Moisture Sensors Parts Breakdown

Ref	Description	Part #	Qty		Ref	Description	Part #	Qty
1	Plastic Pad	006-4641F	2		4	Plastic Isolator	006-4641I	2
2	Moisture Disc	006-4641H	2		5	1/2X4 1/2" Carriage Bolt		2
3	Plastic Bushing	006-4641G	2		6	Moisture Cable (both15')	006-7307RB1	1

Moisture Pad Assembly (Ref 1-5)	030-4643	2
Complete Assembly (Ref 1-6)	MSH-7RB-A	

Moisture Sensor Parts Breakdown (736K, 738K, 747C, 747P only)
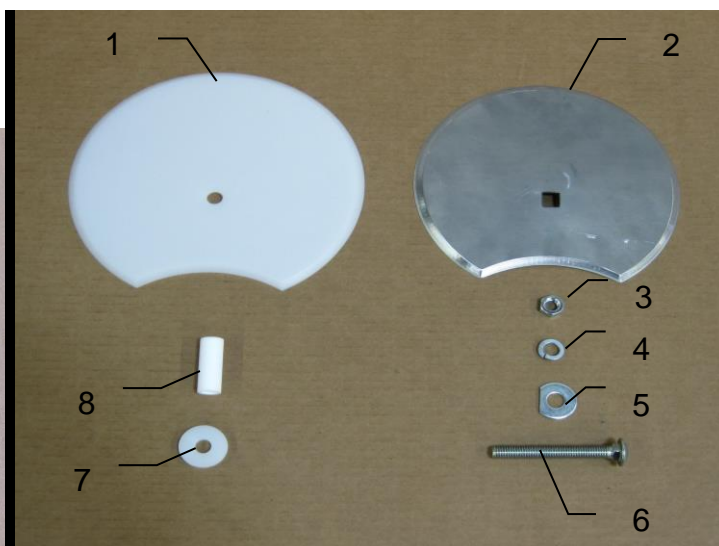
Ref	Description	Part #	Qty		Ref	Description	Part #	Qty
1	RB Isolator	006-4641FX	2		6	1/2" x 4 1/2" Carriage Bolt	Hardware	2
2	RB Moisture Pad	006-4641HX	2		7	Sensor Bushing	006-4641G	2
3	1/2" Nut	Hardware	4		8	Plastic Isolator	006-4641I	2
4	1/2" Lock	Hardware	4		9	Moisture Cable (13' &16')	006-7307RB2	1
5	1/2" D Washer	Hardware	6					

Moisture Assembly (Ref 1-8)	030-4643C	2
Complete Assembly (Ref 1-9)	MSH-7RB-B	

Control Box and Wiring Harnesses

Ref	Description	Part#	Qty	Ref	Description	Part#	Qty
1	Power Lead Baler 20'	006-762B	1	NP	120 Ohn Resistor	006-700R*	1
2	Power Lead Tractor	006-765IC	1	NP	Dust Plug Kit	006-765DP	1
3	Key Switch Wire	006-765CPH	1	NP	Lightning to USB-A Cable	006-6672USBC	1
4	ISO Pump Module	006-7671RB	1	NP	Optional USB-C to USB-A Communication Cable	006-6672USBX	1
5	ISO Communication Module	006-6673	1				

*006-700R installation on 006-762B harness is required at all times when operating the small square 700 series applicator

End of Bale Sensor
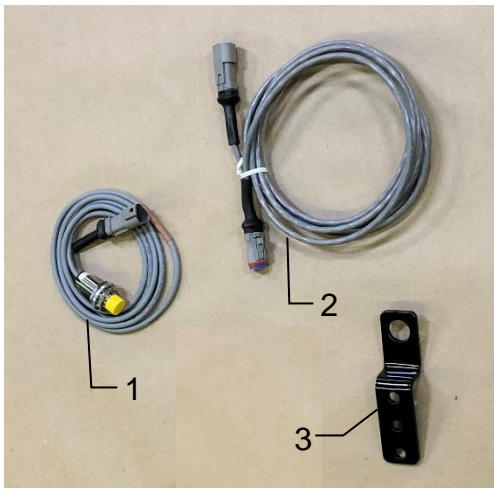
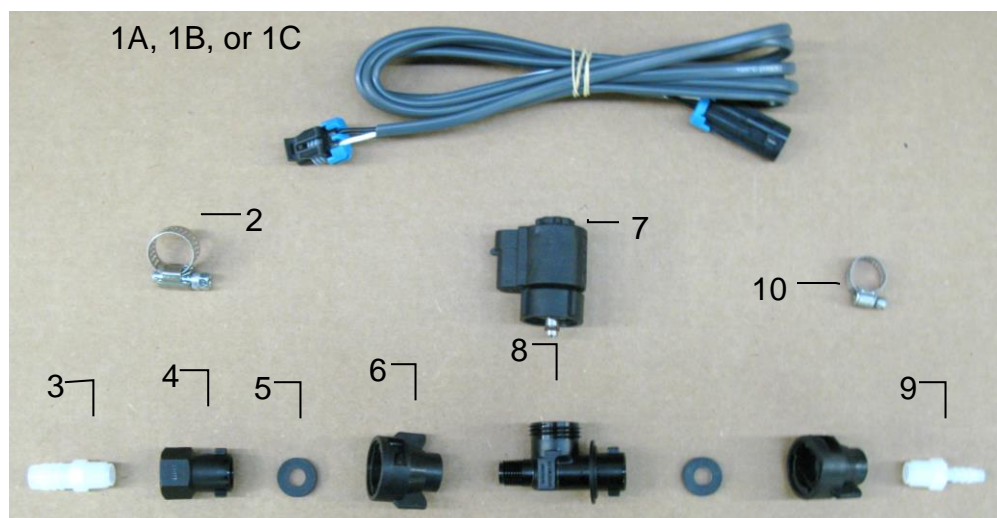

Ref	Description	Part #	Qty
1	End of Bale Sensor	006-7401	1
2	EOB Extension	006-7401EXT	1
3	End of Bale Bracket	001-4648RB	1

Complete Assembly   EOB-7RB-A

700 Pulsing Solenoid- Round Balers

1A, 1B, or 1C

Solenoid Packages

Ref	Description	Part #	Qty	Ref	Description	Part #	Qty
1A	Solenoid Harness (5')	006-3650-S1		6	1/4" Female Disconnect	004-1207H	2
1B	Solenoid Harness (10')	006-3650-S2		7	Solenoid	002-2203F	1
1C	Solenoid Harness (15')	006-3650-S3		8	Solenoid Valve Body	004-1207VF	1
2	#6 Hose Clamp	003-9003	1	9	1/4" x 1/4" Straight Fitting	003-A1414	1
3	1/4"x1/2" Straight Fitting	003-A1412	1	10	Mini Hose Clamp	003-9002	1
4	1/4" Female Connector	004-1207G	1				
5	Rubber Washer	004-1207W	2		Complete Assembly Pkg. A	SOL-3SP-A	
					Complete Assembly Pkg. B	SOL-3SP-B	
					Complete Assembly Pkg. C	SOL-3SP-C	

## Expanded View of Pulsing Solenoid (002-2203F)

Replacement Pulsing Solenoid O-Ring Kit available (002-2203FG)
(Includes EPDM O-Rings 6, 8, 9 shown below)
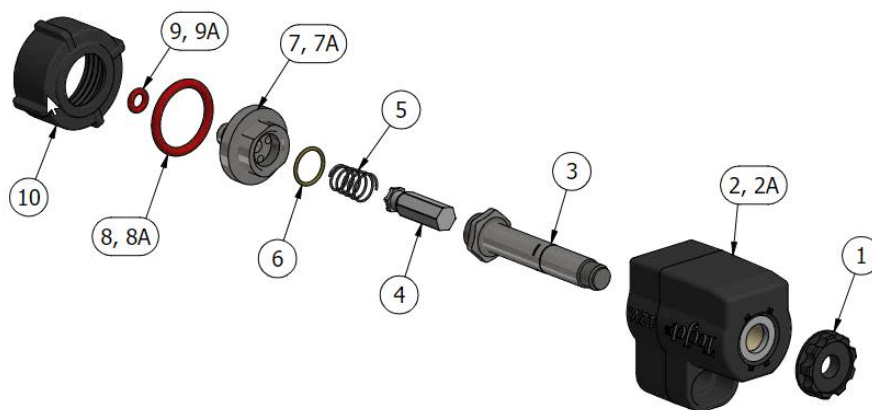
To clean solenoid valves:
The Center Section can be removed from Housing #2 by loosening #1 from #3. Once removed, use wrenches on components #3 and #7 and gently turn to loosen and separate. Soak parts #3-10 in warm soapy water, clean with a soft bristle brush, rinse with clean water to remove buildup before reassembly.

OPTIONAL High Output Solenoid
(Included with 700RBHTK Kit)
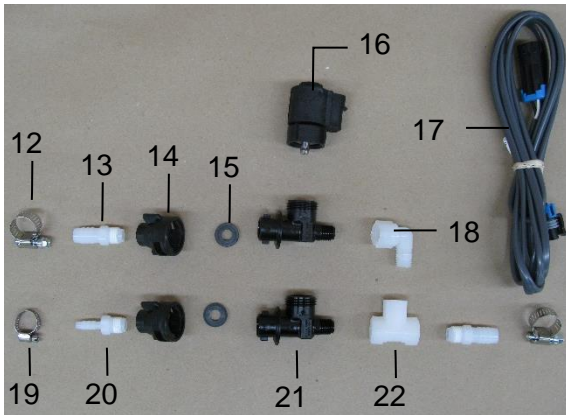
Ref	Description	Part #	Qty
12	#6 Hose Clamp	003-9003	2
13	1/4" x 1/2" Straight Fitting	003-A1412	2
14	Female Quick Coupler	004-1207H	2
15	Rubber Washer	004-1207W	1
16	Solenoid	002-2203F	1
17	Solenoid Harness (10')	006-3650-S2	1
18	1/4" Street Elbow	003-SE14	1
19	Mini Hose Clamp	003-9002	1
20	1/4" x 1/4" Straight Fitting	003-A1414	1
21	Solenoid Check Valve	004-1207VF	2
22	1/4" Tee	003-TT14	1

Parts Bag Packages & Hoses

PBA-1
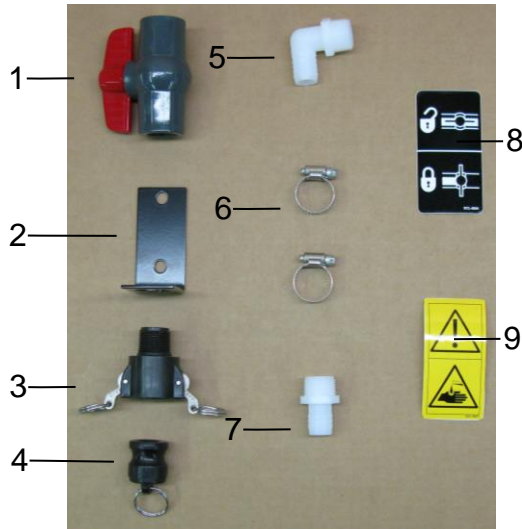
Ref	Description	Part #	Qty
1	3/4" Ball Valve	002-2200	1
2	Valve Holder	001-6702H	1
3	Female Coupler	002-2204A	1
4	Male Shut-Off Plug	002-2205G	1
5	3/4" x 3/4" Elbow	003-EL3434	1
6	#10 Hose Clamp	003-9004	2
7	3/4" x 3/4" Straight Fitting	003-A3434	1
8	Valve Decal	DCL-8004	1
9	Chemical Hazard Decal	DCL-8001	1
	Complete Drain Fill Kit	030-0493DFK	

PBP-16
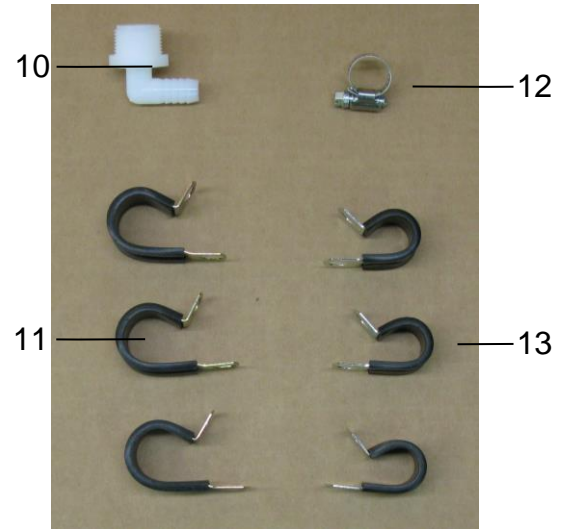
Ref	Description	Part #	Qty
10	3/4" x 1/2" Elbow	003-EL3412	1
11	3/4" Jiffy Clip	008-9010	3
12	#6 Hose Clamp	003-9003	1
13	Small Jiffy Clip	008-9009	3

Hoses

Ref	Description	Part #	Qty
NP	1/2" Hose (Tank to Solenoid)	002-9001	15ft
NP	1/4" Hose (Solenoid to Tips)	002-9016	6ft
NP	3/4" Hose (Drain/ Fill Line)	002-9002	10ft

Optional iPad Display Kit
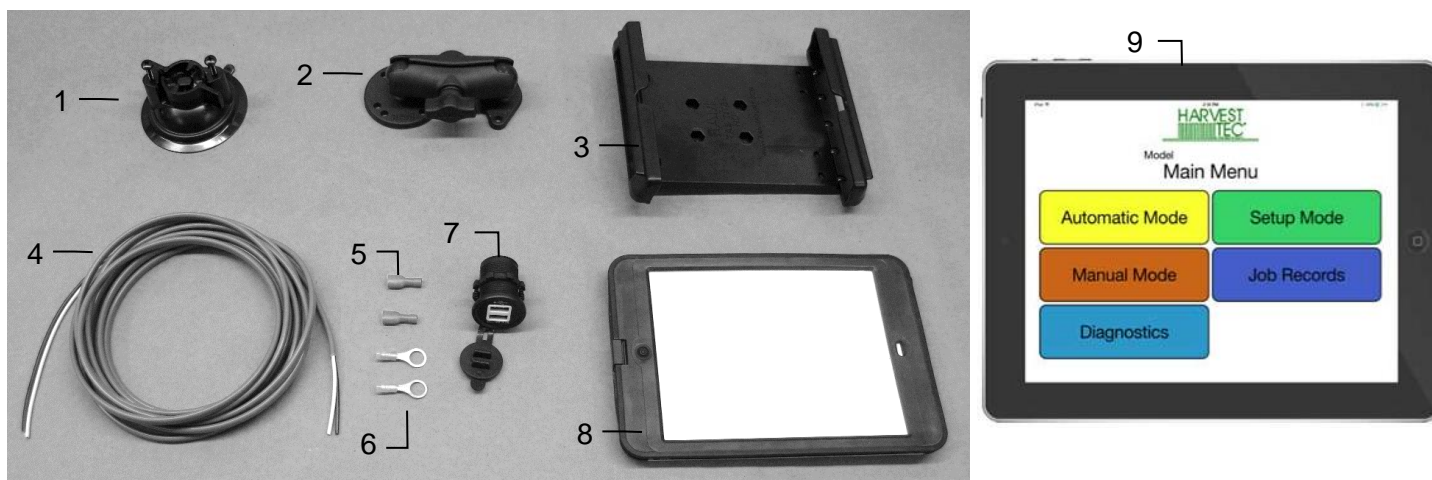
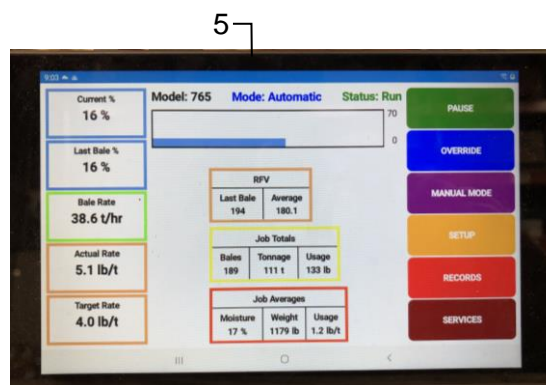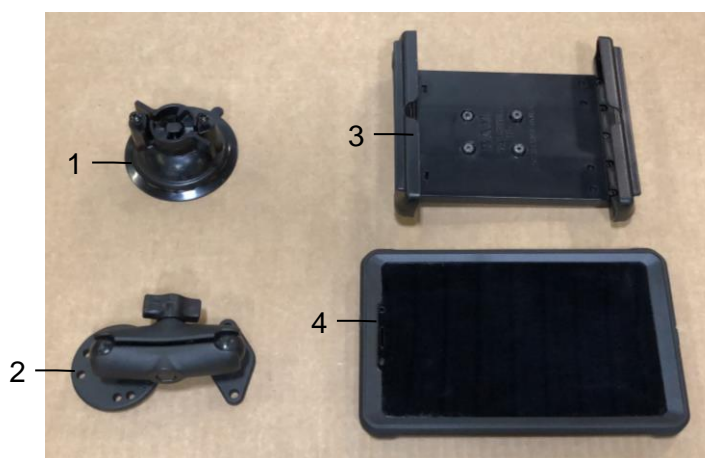| Ref	Description	Part #	Qty	Ref	Description	Part #	Qty
1	Suction cup mount	001-2012SCM	1	7	iPad Mini Charger 12V	001-2012P	1
2	Ram mount	001-2012H	1	8	iPad Mini 4 case	001-2012C4	1
3	iPad Mini spring load cradle (Mini 4)	001-2012SLC	1	9	iPad Mini 4	006-4670IP	1
4	Power Harness	006-4723P	1	NP	4 amp fuse	Hardware	1
5	Female spade connector	Hardware	2		Complete iPad Mini Kit	030-4670DK (Includes All Parts)	
6	Eye loop connector	Hardware	2		iPad Mini Mounting Kit Only	030-2014MK (Includes 1-8 Only)	

Installation Instructions

1. Identify 12V power source for wires to connect.
2. Eye loops included if wiring directly to the battery is desired.
3. Test for key power source if preferred to have power to the USB shut off with the key.
4. Once power source is identified, cut wires to desired length.
5. Crimp the two supplied quick connectors onto the white and black wire.
6. Remove the round locking plastic nut from USB plug before connecting the wires. Black (+) White (-).
7. The wires will then be hooked to the designated terminals on the bottom of the USB plug
8. Drill a 1 1/8" hole in the preferred mounting location. Be sure to clean any sharp edges after drilling.
9. Feed the wires through the mounting hole.
10. If using the round plastic nut to secure plug in place, slide the nut back over the wiring before connecting the wires to powered source.
11. Connect the wires to the identified power source if easier to do so before tightening the plug into place.
12. Tighten plug using either the round plastic nut or mounting plate and two screws, both options supplied.
13. Once connected, hook a USB charging cord into the plug and connect a mobile device/tablet to ensure the plug is operating as you wish (key power working properly if necessary).
    NOTE: This plug is not designed to charge two iPads. System damage could occur if this is attempted. System will charge a mobile phone and iPad simultaneously without problem.

*iPad mini is a trademark of Apple Inc., registered in the U.S. and other countries.

Optional Android Display Kit (030-1670DK)

Ref	Description	Part #	Qty
1	Suction Cup Mount	001-2012SCM	1
2	Ram Mount	001-2012H	1
3	Spring Load Cradle	001-2012SLC	1
4	Android Case	001-2012A1	1
5	Android Tablet	006-1670AT	1

Installation Instructions

1. Assemble Cradle (001-2012SLC)

2. Attach round base from ram mount to cradle

3. Attach trapezoid end of ram mount to suction mount

4. Clean glass or metal surface that unit will be attaching to.

5. Add a small amount of water to suction cups rubber surface and attach to surface

6. Turn lock on suction cup mount to secure.

7. Place tablet in cradle and hook USB cable that came with system into it.

8. Run USB cable over to (006-765ICM) control module and plug into USB port that show's a tablet

Optional Harvest Tec Display Kit (030-7670DK)

Ref	Description	Part #	Qty
1	Suction Cup Mount	001-2012SCM	1
2	Ram Mount	001-2012H	1
3	Harvest Tec Display	006-765GVT	1
4	Display Harness	006-765GH	1
5	Mounting Plate	001-700GH	1
NP	700 Series Resistor	006-700R	1

Installation Instructions

1. Identify 006-765GH harness connection to 006-765IC tractor harness.
2. Connect harness to the Harvest Tec Display before tightening into place.
3. Tighten the mounting and display. Streamline harness, as necessary.
4. Once connected, power cycle system and ensure display is working properly.

NOTE: CANNOT OPERATE WITH BOTH HARVEST TEC DISPLAY AND BALER VT CONNECTED AT THE SAME TIME.

74725-SO Spray Shield Assembly
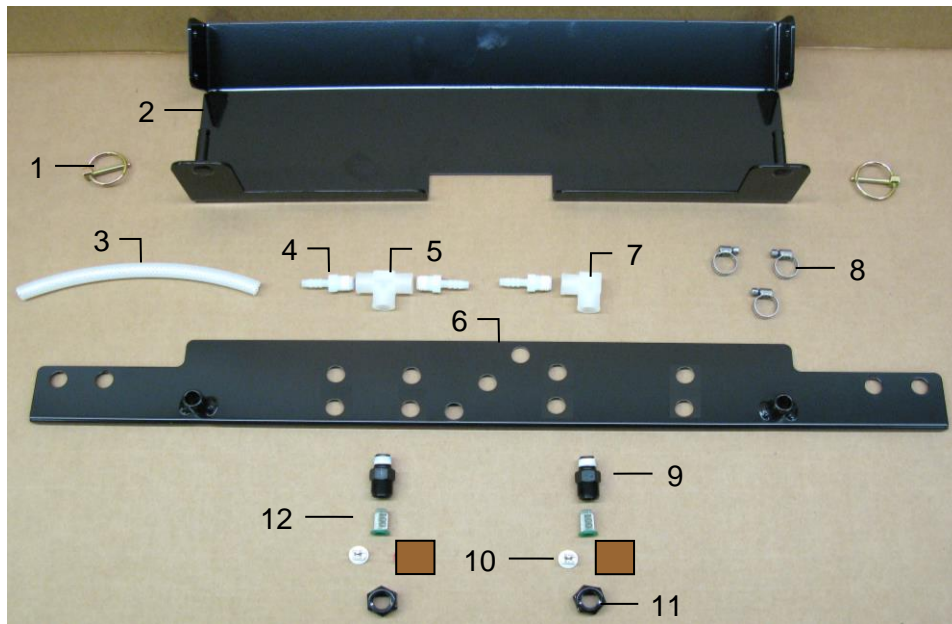
Ref	Description	Part #	Qty		Ref	Description	Part #	Qty
1	3/16" Lynch Pin	008-4576	2		8	Hose clamp	003-9002	3
2	Shield bracket	001-4810BRH	1		9	Nozzle body	004-4722	2
3	Hose	002-9016	2 ft		10	Tip* – Grey	004-XR11006VS	2
4	Straight fitting	003-A1414	3		11	Nozzle cap	004-4723	2
5	Tee	003-TT14SQ	1		12	Tip strainer	004-1203-100	2
6	Spray shield	001-4810B	1					
7	1/4" Female Elbow	003-SE14F	1					

* Tip color subject to change   Complete Assembly   030-074725-SO

4505X Installation Kit
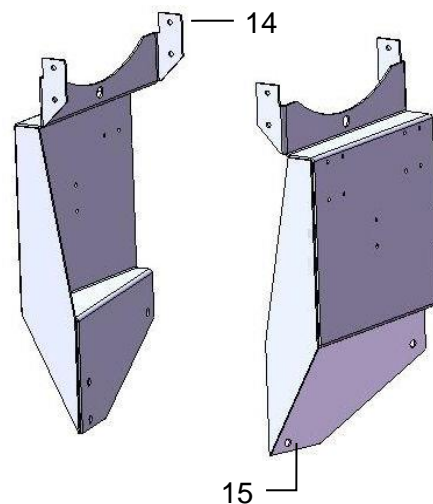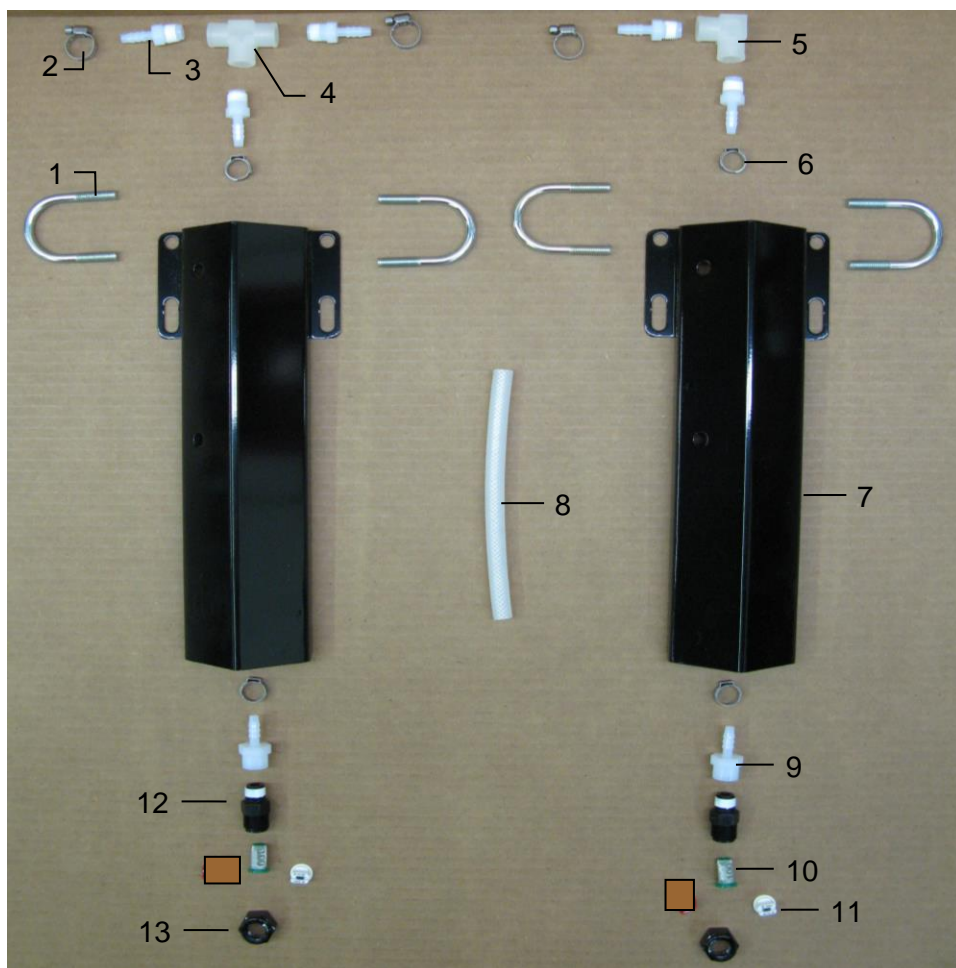
Ref	Description	Part #	Qty	Ref	Description	Part #	Qty
1	U bolt	001-4714UBS	4	10	Tip Strainer	004-1203-100	2
2	Hose clamp	003-9002	2	11	Tip* – Grey	004-XR11006VS	2
3	1/4" x 1/4" Fitting	003-A1414	5	12	Nozzle Body	004-4722	2
4	1/4" Sq Tee	003-TT14SQ	1	13	Nozzle Cap	004-4723	2
5	1/4" St Elbow	003-SE14F	1	14	Tank Leg – Long	001-4703FL	1
6	Oetiker Clamp	003-9008	4	15	Left Mounting Bracket	001-4703FR	1
7	Nozzle Holder	001-4714J	2	NP	477 Jiffy Clip	008-9014	2
8	Hose	002-9016	3ft				
9	1/4" x 1/4" Fitting	003-A1414F	2				

* Tip color subject to change

Shield Only (Ref 1-13) 030-7714J-SO
Tank Mount Kit (Ref 14-15) TMK-4505
Complete Assembly 030-4505X

4517X Installation Kit
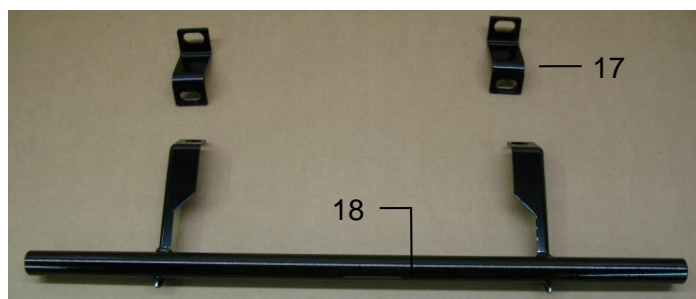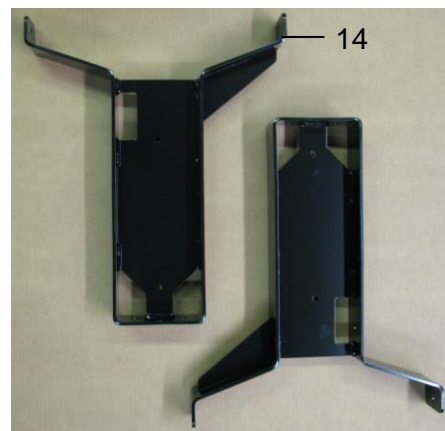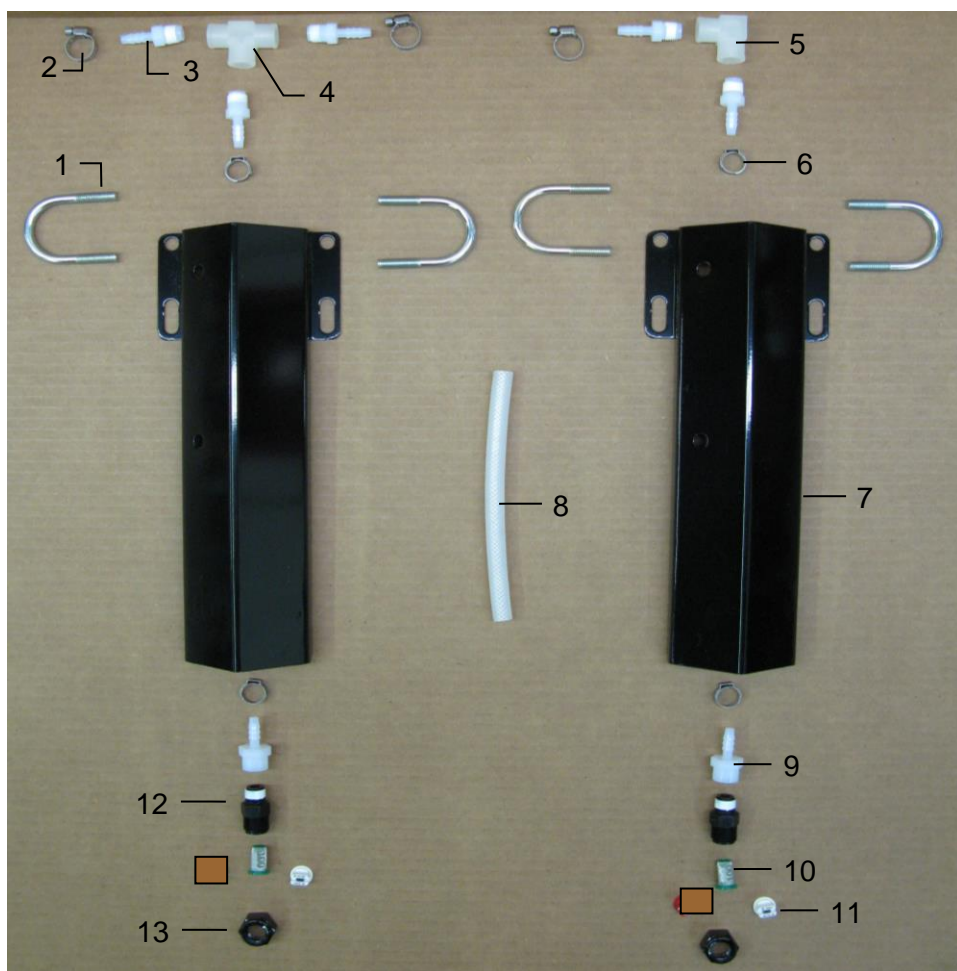
Ref	Description	Part #	Qty	Ref	Description	Part #	Qty
1	U bolt	001-4714UBS	4	12	Nozzle Body	004-4722	2
2	Hose clamp	003-9002	2	13	Nozzle Cap	004-4723	2
3	1/4" x 1/4" Fitting	003-A1414	5	14	Tank Leg	001-4703B	2
4	1/4" Sq Tee	003-TT14SQ	1	15	Left Mounting Bracket	001-4703DL	1
5	1/4" St Elbow	003-SE14F	1	16	Right Mounting Bracket	001-4703DR	1
6	Oetiker Clamp	003-9008	4	17	Space Bracket	001-4703NS	2
7	Nozzle Holder	001-4714J	2	18	Nozzle Tube	001-4703R	1
8	Hose	002-9016	3ft	NP	477 Jiffy Clip	008-9014	2
9	1/4" x 1/4" Fitting	003-A1414F	2				
10	Tip Strainer	004-1203-100	2		Shield Only (1-13)	030-7714J-SO	
11	Tip* – Grey	004-XR11006VS	2		Tank Mount Kit (14-16)	SMK-4516	
					Shield Mount Kit (17-18)	TMK-4483	
	* Tip color subject to change				Complete Assembly	030-4517x	

4523X Installation Kit

Ref	Description	Part #	Qty	Ref	Description	Part #	Qty
1	3/16" Lynch Pin	008-4576	2	9	Nozzle Body	004-4722	2
2	Shield Holder	001-4704H	2	10	Tip* – Grey	004-XR11006VS	2
3	Mini Hose Clamp	003-9002	3	11	Tip Strainer	004-1203-100	2
4	1/4"FPT x 1/4"HB	003-A1414	3	12	Nozzle Cap	004-4723	2
5	1/4" Tee Sq	003-TT14SQ	1	13	Tank Leg – Long	001-4703B	2
6	1/4" Hose	002-9016	2ft	14	Left RB Support	001-4704JL	1
7	1/4" Female Elbow	003-SE14F	1	15	Right RB Support	001-4704JR	1
8	Spray Shield	001-4704G	1				

 * Tip color subject to change

Shield Only (Ref 1-12)   030-4523X-SO
Tank Mount Kit (Ref 13-15)   TMK-4523
Complete Assembly   030-4523X

4524X Installation Kit
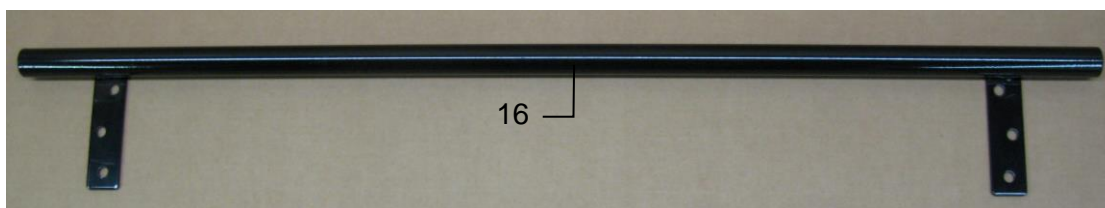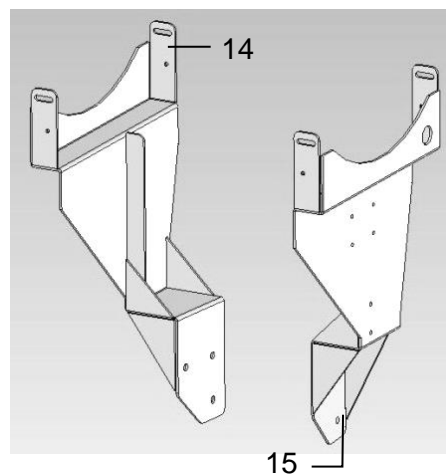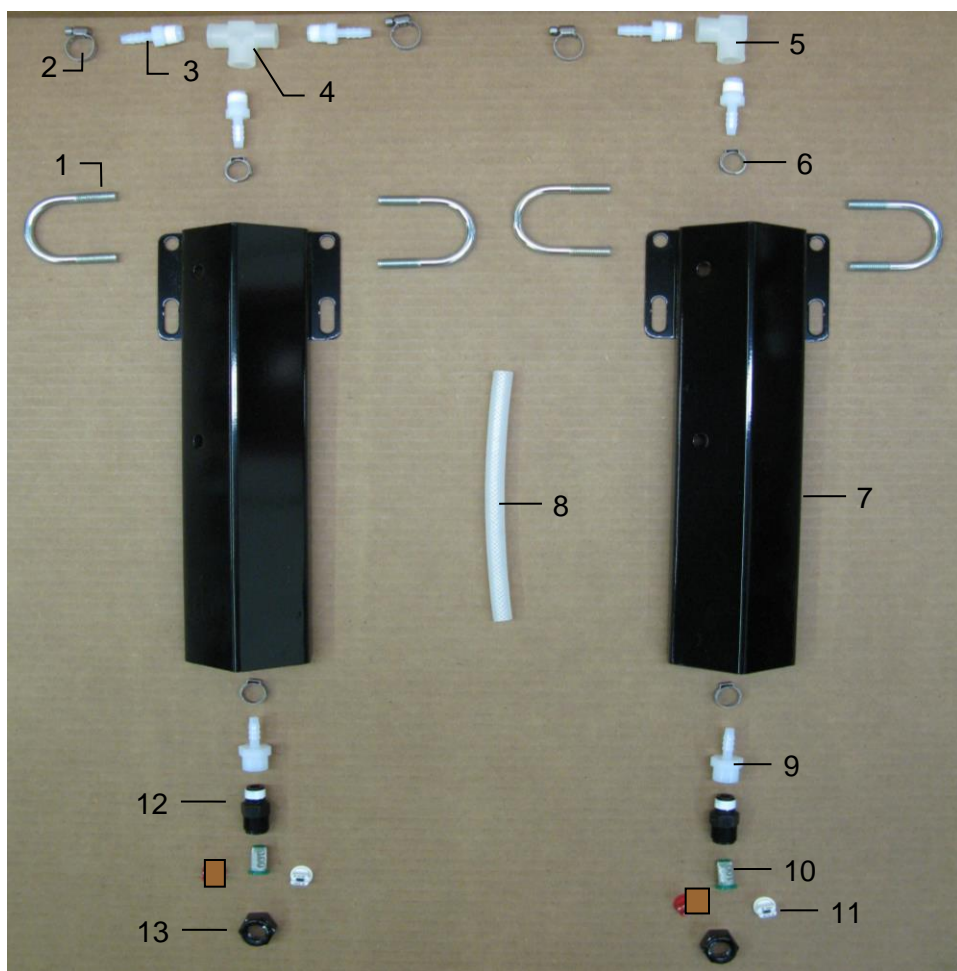
Ref	Description	Part #	Qty	Ref	Description	Part #	Qty
1	U bolt	001-4714UBS	4	11	Tip* – Grey	004-XR11006VS	2
2	Hose clamp	003-9002	2	12	Nozzle Body	004-4722	2
3	1/4" x 1/4" Fitting	003-A1414	5	13	Nozzle Cap	004-4723	2
4	1/4" Sq Tee	003-TT14SQ	1	14	Left Tank Leg	001-4703L	1
5	1/4" St Elbow	003-SE14F	1	15	Right Tank Leg	001-4703K	1
6	Oetiker Clamp	003-9008	4	16	Nozzle Tube	001-4703T	1
7	Nozzle Holder	001-4714J	2				
8	Hose	002-9016	3ft				
9	1/4" x 1/4" Fitting	003-A1414F	2		Shield Only (1-13)	030-7714J-SO	
10	Tip Strainer	004-1203-100	2		Tank Mount Kit (14-15)	TMK-4508	
					Shield Mounting Kit (16)	SMK-4524	
	* Tip color subject to change				Complete Assembly	030-4524X	

4526X Installation Kit
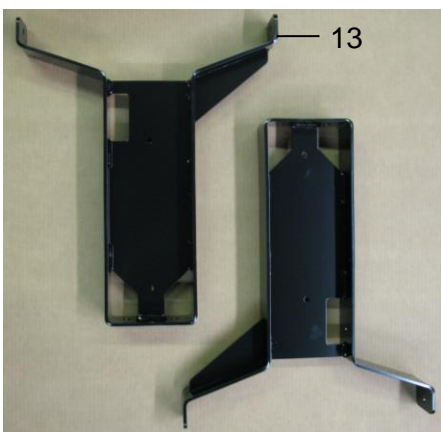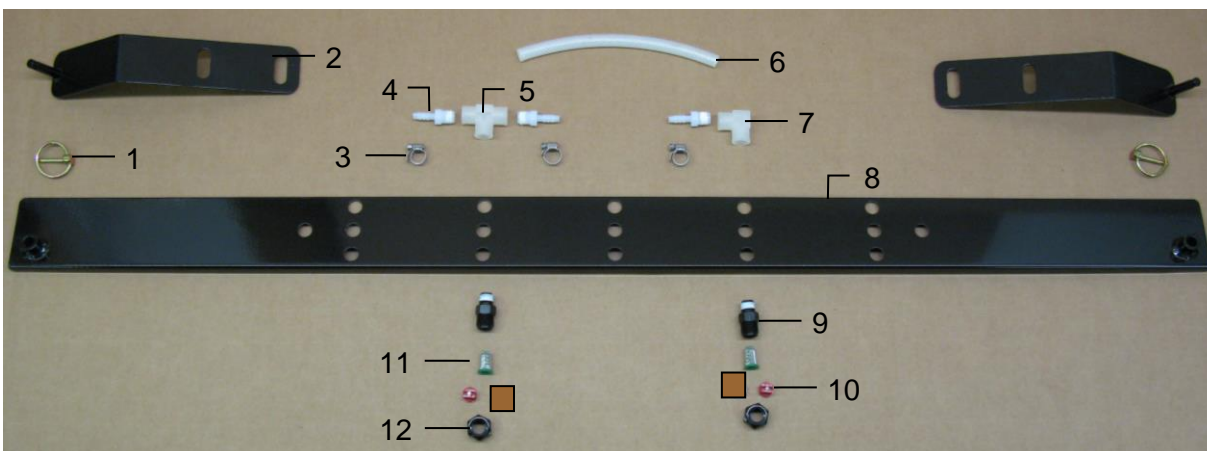
Ref	Description	Part #	Qty	Ref	Description	Part #	Qty
1	3/16" Lynch Pin	008-4576	2	10	Tip* – Grey	004-XR11006VS	2
2	Shield Holder	001-4704MC	2	11	Tip Strainer	004-1203-100	2
3	Mini Hose Clamp	003-9002	3	12	Nozzle Cap	004-4723	2
4	1/4"FPT x 1/4"HB	003-A1414	3	13	55 Gal Leg	001-4703B	2
5	1/4" Sq Tee	003-TT14SQ	1	14	Side Support	001-4704MA	2
6	1/4" Hose	002-9016	2ft	15	Brace Support	001-4704MD	2
7	1/4" Female Elbow	003-SE14F	1	16	Top Support	001-4704ME	1
8	Spray Shield	001-4704G	1				
9	Nozzle Body	004-4722	2				

 * Tip color subject to change

Shield Only (Ref 1-12)   030-4526X-SO
Tank Mount Kit (Ref 13-16)   TMK-4526
Complete Assembly   030-4526X

4531X Installation Kit

Ref	Description	Part #	Qty	Ref	Description	Part #	Qty
1	3/16" Lynch Pin	008-4576	2	9	Nozzle Body	004-4722	2
2	Shield Holder	001-4704H	2	10	Tip* – Grey	004-XR11006VS	2
3	Mini Hose Clamp	003-9002	3	11	Tip Strainer	004-1203-100	2
4	1/4"FPT x 1/4"HB	003-A1414	3	12	Nozzle Cap	004-4723	2
5	1/4" Tee Sq	003-TT14SQ	1	13	Hanger Extender	001-4704HZ	2
6	1/4" Hose	002-9016	2ft	14	Tank Leg – Long	001-4703B	2
7	1/4" Female Elbow	003-SE14F	1	15	Left Tank Leg Support	001-ACX2873560	1
8	Spray Shield	001-4704G	1	16	Right Tank Leg Support	001-ACX2873280	1

* Tip color subject to change

Spray Shield Only* (Ref 1-12)	030-4523X-SO
(*hanger extenders not included)	
Tank Mount Kit (Ref 13-15)	TMK-4531
Complete Assembly	030-4531X

4538X Installation Kit
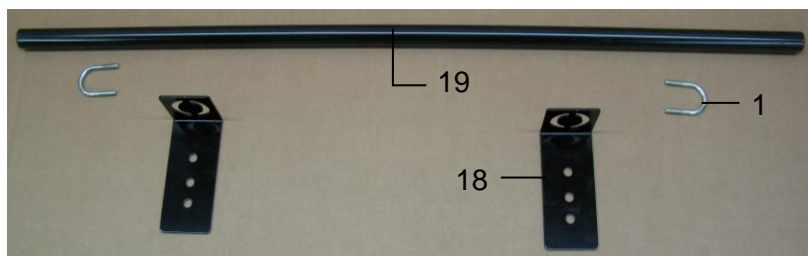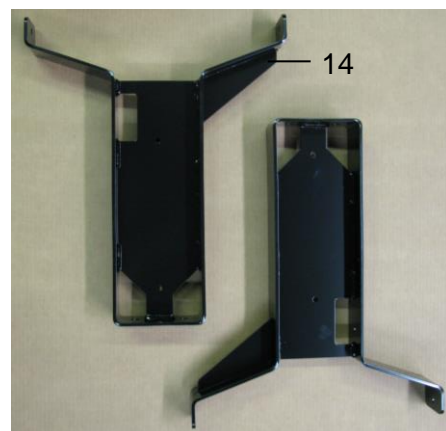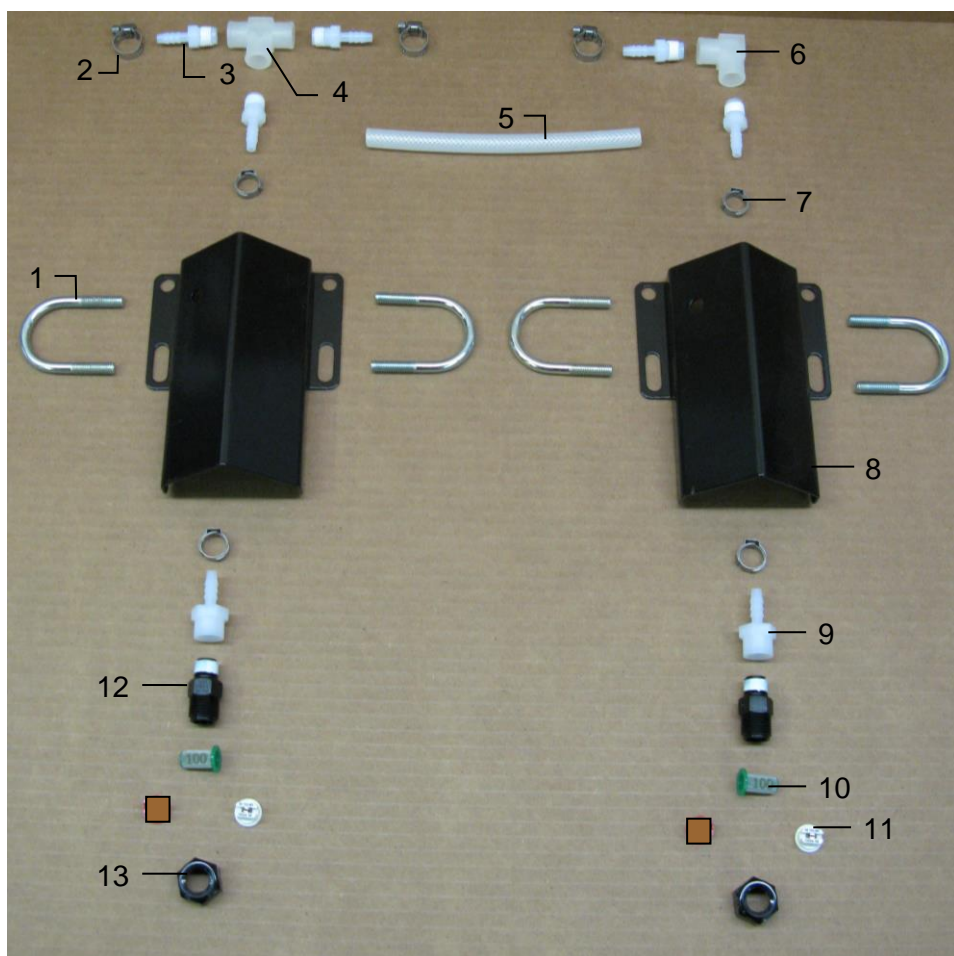
Ref	Description	Part #	Qty	Ref	Description	Part #	Qty
1	U bolt	001-4714UBS	4	12	Nozzle Body	004-4723	2
2	Hose clamp	003-9002	3	13	Nozzle Cap	004-4722	2
3	1/4" x 1/4" Fitting	003-A1414	5	14	Tank Leg – Long	001-4703B	2
4	1/4" Sq Tee	003-TT14SQ	1	15	Side Support	001-4704MA	2
5	Hose	002-9016	4ft	16	Brace Support	001-4704MDJ	2
6	1/4" St Elbow	003-SE14F	1	17	Top Support	001-4704MEJ	1
7	Oetiker Clamp	003-9008	4	18	Univ Nozzle Tube Holder	001-4703TH	2
8	Nozzle Holder	001-4714JS	2	19	Univ Nozzle Mount	001-4703TP	1
9	1/4" x 1/4" Fitting	003-A1414F	2				
10	Tip Strainer	004-1203-100	2				
11	Tip* – Grey	004-XR11006VS	2		Shield Only (Ref 1-14)	030-7714JS-SO	
					Shield Mounting Kit (1,18,19)	SMK-UNIV-PIPE	
					Tank Mount Kit (Ref 14-17)	TMK-4538	
* Tip color subject to change					Complete Assembly	030-4538X	

4543X Installation Kit
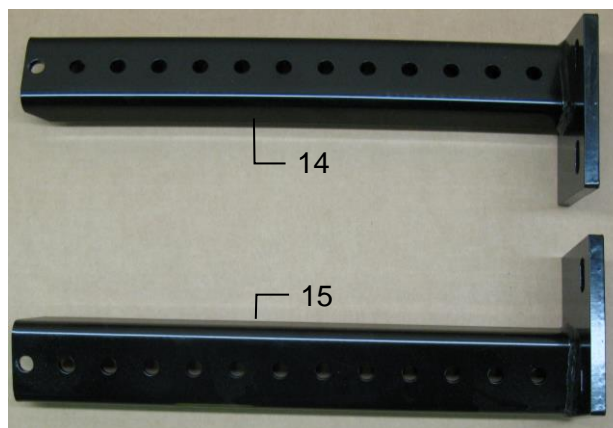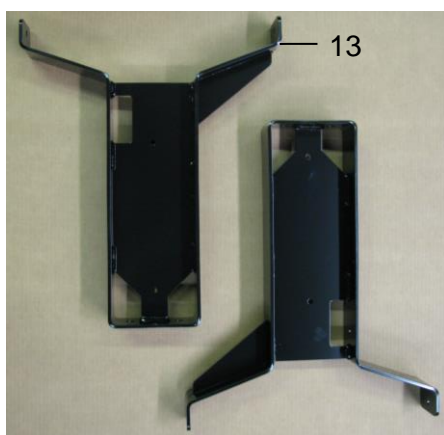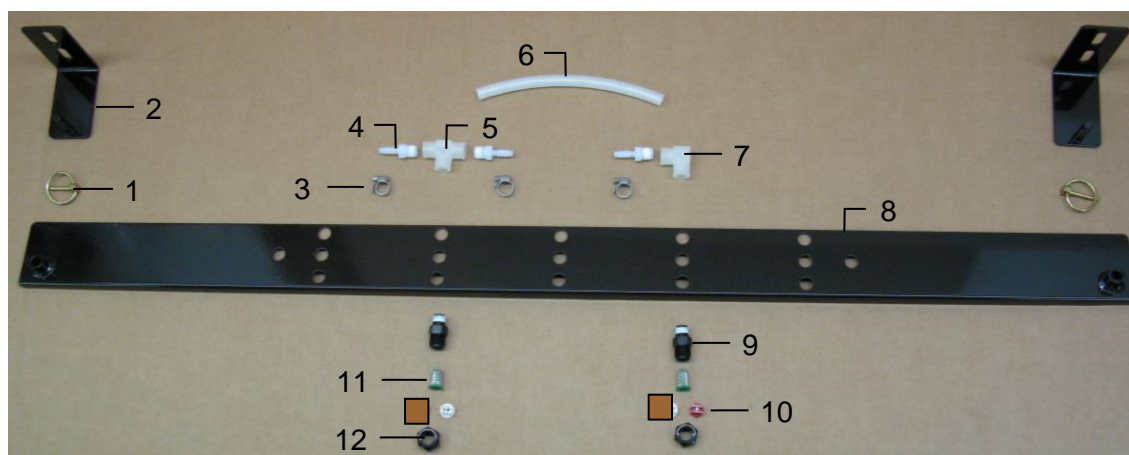
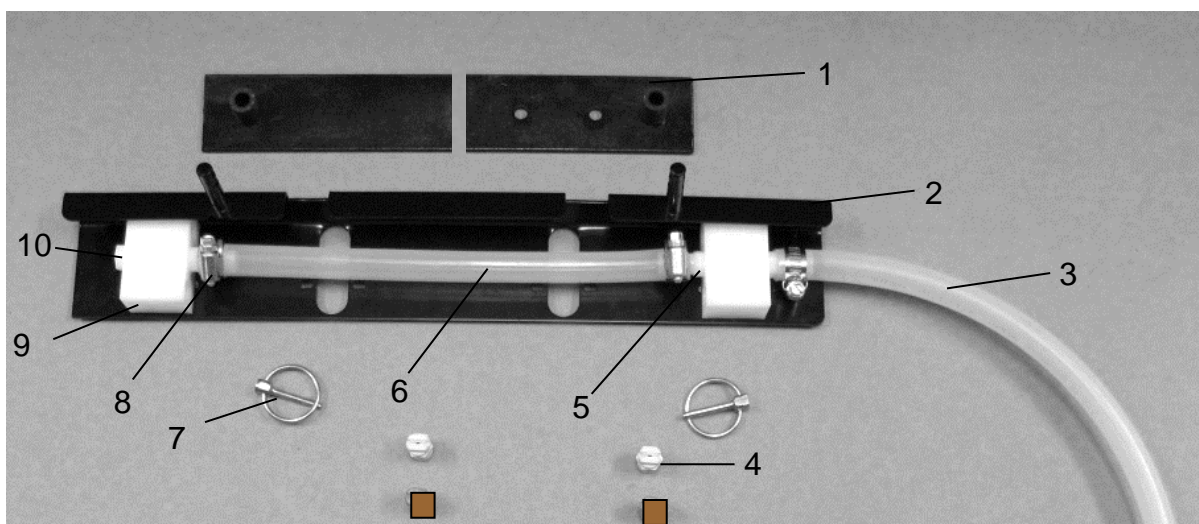| Ref	Description	Part #	Qty	Ref	Description	Part #	Qty
1	3/16" Lynch Pin	008-4576	2	10	Tip* – Grey	004-XR11006VS	2
2	Shield Holder	001-4704H	2	11	Tip Strainer	004-1203-100	2
3	Mini Hose Clamp	003-9002	3	12	Nozzle Cap	004-4723	2
4	1/4"FPT x 1/4"HB	003-A1414	3	13	Tank Leg – Long	001-4703B	2
5	1/4" Tee Sq	003-TT14SQ	1	14	Left RB Support	001-4704JL	1
6	1/4" Hose	002-9016	2ft	15	Right RB Support	001-4704JR	1
7	1/4" Female Elbow	003-SE14F	1	16	604 Pro Right Bracket	001-6055VER	1
8	Spray Shield	001-4704G	1	17	604 Pro Left Bracket	001-6055VEL	1
9	Nozzle Body	004-4722	2				

* Tip color subject to change

Shield Only (Ref 1-12)   030-4523X-SO
Tank Mount Kit (Ref 13-15)   TMK-4523
Complete Assembly   030-4543X

16 & 17
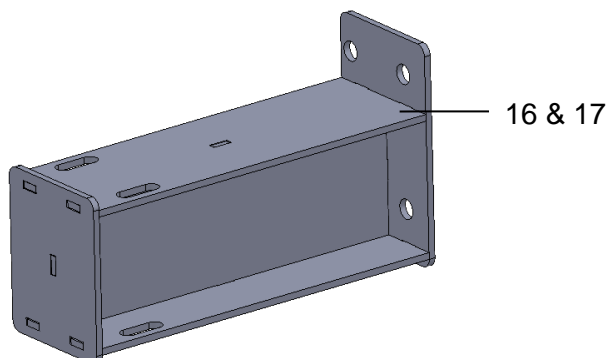
4547X Installation Kit

Ref	Description	Part #	Qty	Ref	Description	Part #	Qty
1	Holder	001-4435NCX2	2	9	Manifold Block	001-4435NSB	2
2	Shield	001-4435NSX	1	10	Fitting	003-F14	1
3	Braided Hose-1/4"	002-9016	3 ft	11	Tank Leg – Long	001-4703B	2
4	Tip* - Grey	004-XR11006VS	2	12	Left Mounting Bracket	001-4703DL	1
5	Fitting	003-A1414	3	13	Right Mounting Bracket	001-4703DR	1
6	Hose 1/4"	002-9006	1 ft	NP	Clamping UBolt 2"	001-4714UBX	2
7	Lynch Pin	008-4576	2				
8	Hose Clamp	003-9002	3		Shield Only (1-10)	030-7546-SO	
					Tank Mount Kit (11-13)	TMK-4504	
					Complete Assembly	030-4547X	

* Tip color subject to change
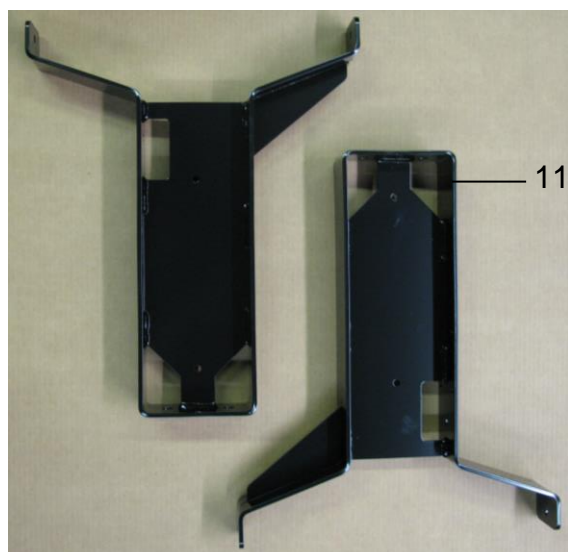
4549X Installation Kit
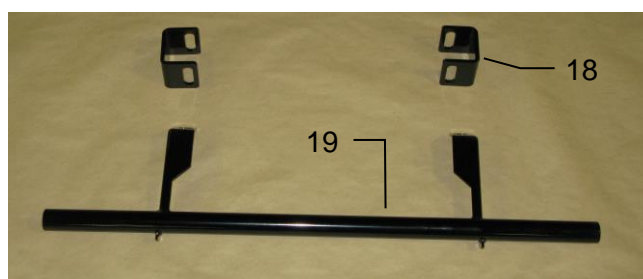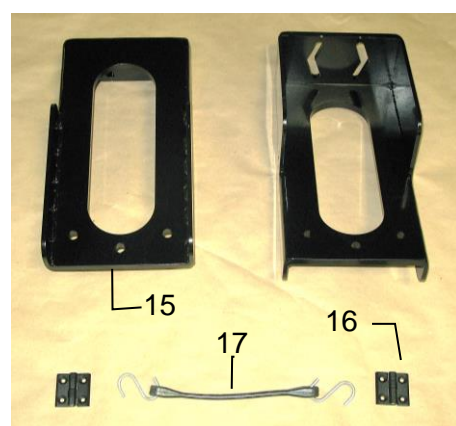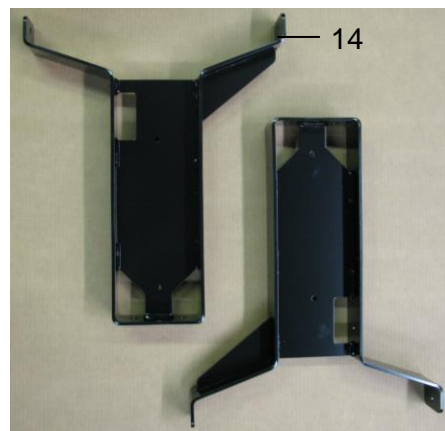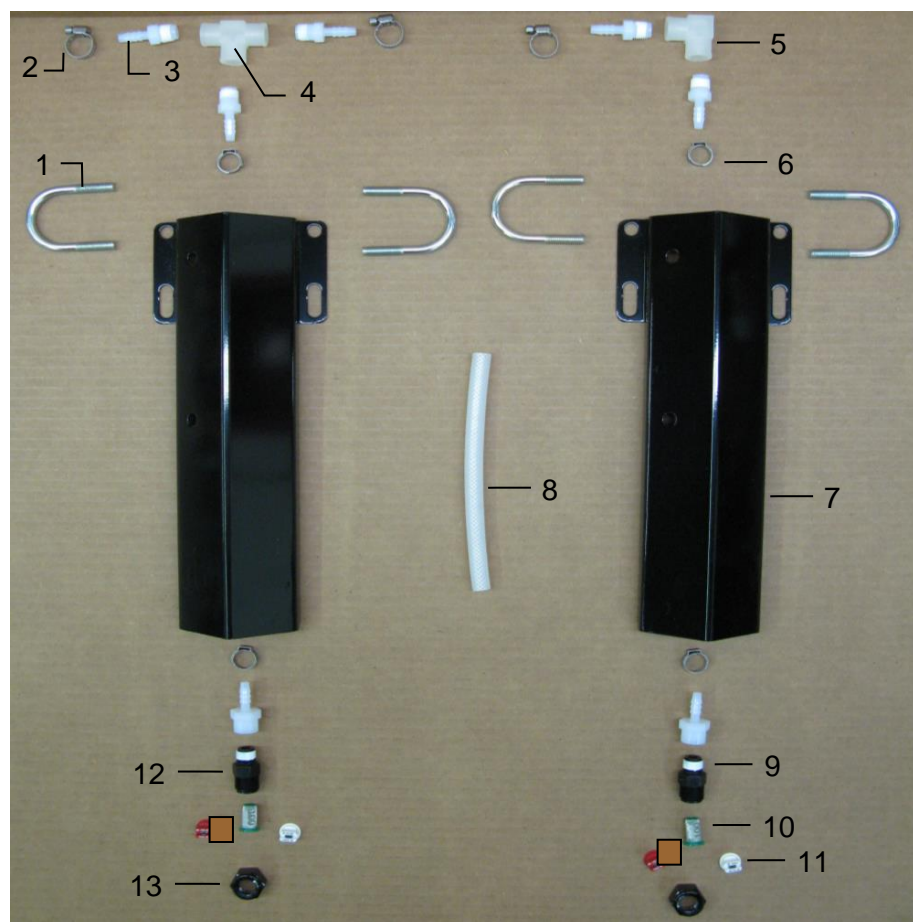
Ref	Description	Part #	Qty	Ref	Description	Part #	Qty
1	U bolt	001-4714UBS	4	14	Tank Leg	001-4703B	2
2	Hose clamp	003-9002	2	15	Mounting Bracket	001-4703F	2
3	1/4" x 1/4" Fitting	003-A1414	5	16	Hinge	001-4703VHG	2
4	1/4" Sq Tee	003-TT14SQ	1	17	Latch	001-4703CL	1
5	1/4" St Elbow	003-SE14F	1	18	Space Bracket	001-4703NV	2
6	Oetiker Clamp	003-9008	4	19	Nozzle Tube	001-4703R	1
7	Nozzle Holder	001-4714J	2	NP	477 Jiffy Clip	008-9014	2
8	Hose	002-9016	3ft				
9	1/4" x 1/4" Fitting	003-A1414F	2		Shield Only (1-13)	030-7714J-SO	
10	Tip Strainer	004-1203-100	2		Tank Mount Kit (14-17)	TMK-4549	
11	Tip* – White	004-XR11006VS	2		Shield Mount Kit (18-19)	SMK-4549	
12	Nozzle Body	004-4722	2		Complete Assembly	030-4549X	
13	Nozzle Cap	004-4723	2				

* Tip color subject to change

Notes

Harvest Tec LLC. Warranty and Liability Agreement

Harvest Tec, LLC. will repair or replace components that are found to be defective within 12 months from the date of manufacture. Under no circumstances does this warranty cover any components which in the opinion of Harvest Tec, LLC. have been subjected to negligent use, misuse, alteration, accident, or if repairs have been made with parts other than those manufactured and obtainable from Harvest Tec, LLC.

Our obligation under this warranty is limited to repairing or replacing free of charge to the original purchaser any part that in our judgment shows evidence of defective or improper workmanship, provided the part is returned to Harvest Tec, LLC. within 30 days of the failure. If it is determined that a non-Harvest Tec branded hay preservative has been used inside the Harvest Tec applicator system where the failure occurred, then Harvest Tec reserves the right to deny the warranty request at their discretion. Parts must be returned through the selling dealer and distributor, transportation charges prepaid.

This warranty shall not be interpreted to render Harvest Tec, LLC. liable for injury or damages of any kind, direct, consequential, or contingent, to persons or property. Furthermore, this warranty does not extend to loss of crop, losses caused by delays or any expense prospective profits or for any other reason. Harvest Tec, LLC. shall not be liable for any recovery greater in amount than the cost or repair of defects in workmanship.

There are no warranties, either expressed or implied, of merchantability or fitness for particular purpose intended or fitness for any other reason.

This warranty cannot guarantee that existing conditions beyond the control of Harvest Tec, LLC. will not affect our ability to obtain materials or manufacture necessary replacement parts.

Harvest Tec, LLC. reserves the right to make design changes, improve design, or change specifications, at any time without any contingent obligation to purchasers of machines and parts previously sold.

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